STATE OF CALIFORNIA

The Resources Agency

Department of Water Resources

BULLETIN No. 130-65

HYDROLOGIC DATA: 1965

Volume III: CENTRAL COASTAL AREA

JULY 1967

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources

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ORGANIZATION OF BULLETIN NO. 130 SERIES

Volume I - NORTH COASTAL AREA

Volume II - NORTHEASTERN CALIFORNIA

Volume III - CENTRAL COASTAL AREA

Volume IV - SAN JOAQUIN VALLEY

Volume V - SOUTHERN CALIFORNIA

Each volume consists of the following:

TEXT and

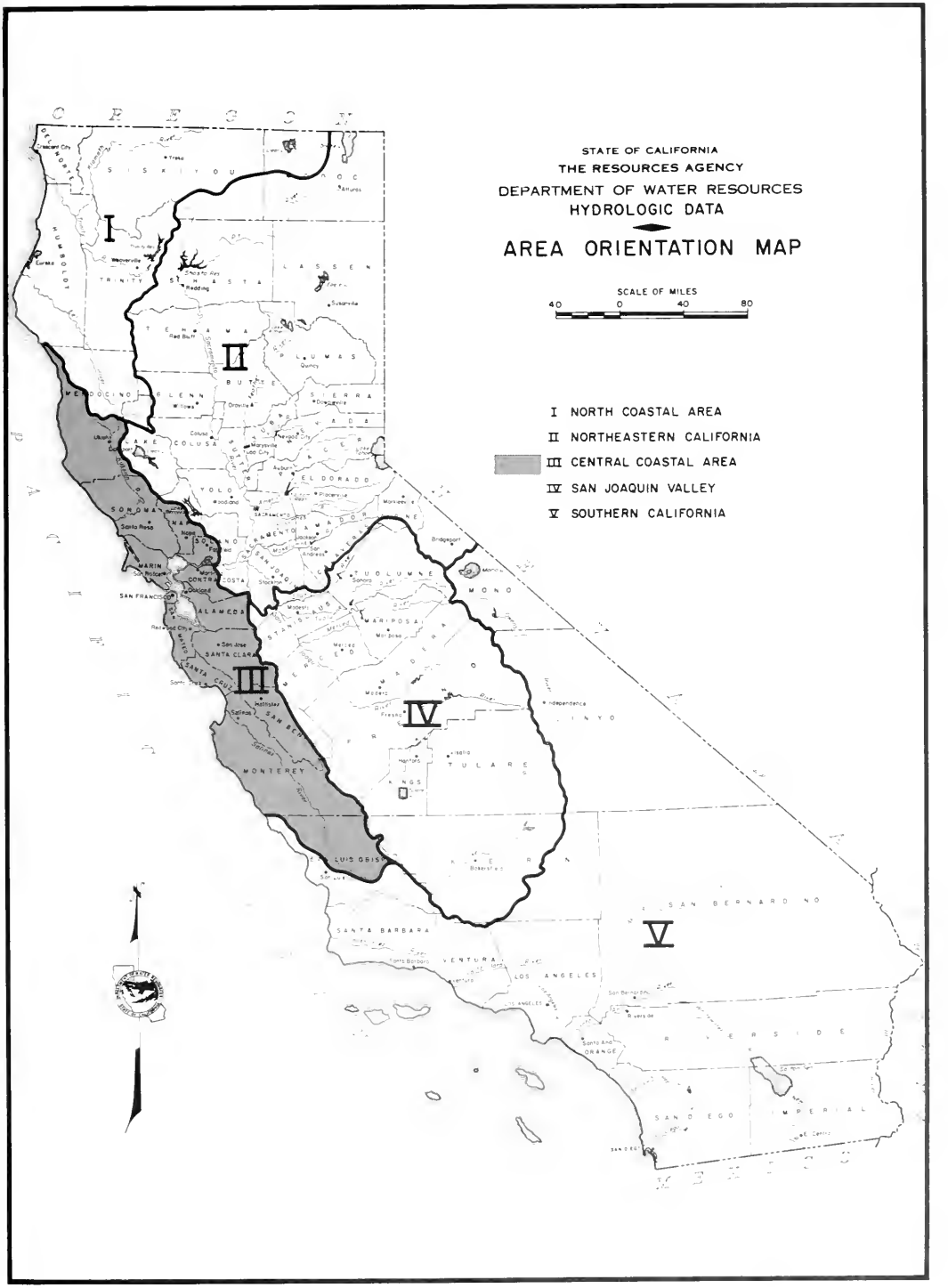
Appendix A - CLIMATE

Appendix B - SURFACE WATER FLOW

Appendix C - GROUND WATER MEASUREMENTS

Appendix D - SURFACE WATER QUALITY

Appendix E - GROUND WATER QUALITY


STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
HYDROLOGIC DATA
AREA ORIENTATION MAP
SCALE OF MILES
40 0 40 80
I NORTH COASTAL AREA
II NORTHEASTERN CALIFORNIA
III CENTRAL COASTAL AREA
IV SAN JOAQUIN VALLEY
V SOUTHERN CALIFORNIA
I
II
III
IV
V
OREGON
NEVADA
SISKIYOU
MODOC
HUMBOLDT
TRINITY
SHASTA
LASSEN
TEHAMA
PLUMAS
BUTTE
SIERRA
MENDOCINO
GLENN
NEVADA
LAKE
COLUSA
PLACER
YOLO
EL DORADO
SONOMA
NAPA
SOLANO
SACRAMENTO
AMADOR
ALPINE
MARIN
CONTRA COSTA
TUOLUMNE
MONO
SAN FRANCISCO
ALAMEDA
STANISLAUS
MARIPOSA
SAN JOAQUIN
SANTA CLARA
MADERA
INYO
SANTA CRUZ
FRESNO
SAN BENITO
MONTEREY
TULARE
KINGS
KERN
LUIS OBISPO
SAN BERNARDINO
SANTA BARBARA
VENTURA
LOS ANGELES
RIVERSIDE
ORANGE
SAN DIEGO
IMPERIAL

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT	
Inch (in)	2.54	Centimeters
Foot (ft)	0.3048	Meter
Mile (mi)	1.609	Kilometers
Acre	0.405	Hectare
Square mile (sq. mi.)	2.590	Square kilometer
U. S. gallon (gal)	3.785	Liters
Acre foot (acre-ft)	1,233.5	Cubic meters
U. S. gallon per minute (gpm)	0.0631	Liters per second
Cubic feet per second (cfs)	1.7	Cubic meters per minute

FOREWORD

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas and the organization of this bulletin are outlined on pages ii and iii.

The basic data programs of the Department of Water Resources have been coordinated with the activities of other interested agencies to satisfy specific needs of agencies within the State. The specific objectives and authorizations for the basic data programs are enumerated in Table 1 of the text.

Bulletin No. 130-65 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for effective planning, design, construction, and operation of water facilities.

William R. Gianelli, Director
Department of Water Resources
The Resources Agency
State of California
May 10, 1967

TABLE OF CONTENTS

TABLE OF CONTENTS

TABLE OF CONTENTS

FIGURES

TABLES

PLATES
(Bound at Back of Bulletin)

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

RONALD REAGAN, Governor
WILLIAM R. GIANELLI, Director, Department of Water Resources

SAN FRANCISCO BAY DISTRICT

Charles A. McCullough. . . . . .District Engineer

Vernon Bengal. . . . . .Chief, Water Supply and Quality Section

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Harold Schlegel. . . . . Water Resources Technician I

Flenoid Vernon . . . . . Water Resources Technician I

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Look Lee . . . . . .Engineering Aid I

Reviewed and coordinated by
Statewide Planning Office
Data Coordination Branch

ACKNOWLEDGMENTS

The Department is grateful for the data supplied and the cooperation rendered by many agencies and individuals. It is especially fitting to commend the following agencies:

Federal

United States Army Corps of Engineers

United States Army, Post Engineer, Fort Ord

United States Bureau of Reclamation

United States Coast Guard

United States Geological Survey

United States Soil Conservation Service

United States Weather Bureau

State

California Department of Public Health

California Department of Veterans Affairs

California Division of Highways

California Division of Forestry

University of California, Agricultural Extension Service

Local

Alameda County Flood Control and Water Conservation District

Alameda County Water District

Campbell Water Company

East Bay Municipal Utility District

Marin County

Local

Marin Municipal Water District

Mendocino County

Monterey County Flood Control and Water Conservation District

Napa County

North Los Altos Water Company

Pacheco Pass Water District

San Benito County

San Francisco Water Department

San Jose Water Works

San Luis Obispo County Flood Control and Water Conservation District

Santa Clara County Flood Control and Water District

Santa Clara Valley Water Conservation District

Santa Cruz County, Department of Public Works

Solano Irrigation District

Solano County, Department of Public Works

Sonoma County Flood Control and Water Conservation District

South Santa Clara Valley Water Conservation District

ENGINEERING CERTIFICATION

This report has been prepared under my direction as the professional engineer in direct responsible charge of the work, in accordance with the provisions of the Civil and Professional Engineers' Act of the State of California.

Registered Civil Engineer

Registration No. C10561

Date March 10, 1967

ATTEST:

C. A. McCullough
District Engineer
San Francisco Bay District

Registration No. C8123

Date 3/13/67

ABSTRACT

Tables show data on climate, surface water flow, ground water levels, and surface and ground water quality during the 1964-65 water year. Figures show fluctuation of water levels in wells and specific conductance in Alameda Creek near Niles and in Bethany Forebay at the South Bay Pumping Plant. Plates show locations of climatological stations, surface water measurement stations, surface water quality stations, and ground water basins or units, and the status of sea-water intrusion in the Santa Clara Valley East Bay area and in the Salinas Valley.

CHAPTER I. INTRODUCTION

The Department of Water Resources is concerned with development and use of water supplies and with methods that are employed to observe and measure hydrologic conditions. Hydrologic data are used for the planned development of new water supplies, hydropower, drainage, flood control, navigation, and other associated engineering projects.

This report contains a record of hydrologic data collected and assembled by the San Francisco Bay District of the Department of Water Resources. It brings together in a permanent and usable form data on Surface Water Quality and Measurements from October 1, 1964, to September 30, 1965, and data on Climate, Ground Water Measurements, and Ground Water Quality from July 1, 1964, to September 30, 1965.

Other reports of basic water resources data include:

Surface Water Records of California, Vol. 1
(U. S. Geological Survey)

Climatological Data (U. S. Weather Bureau)

Hourly Precipitation (U. S. Weather Bureau)

Users of hydrologic data should be aware of the limitations inherent in the data. Most standard texts on hydrology contain a description of the instrumentation and methods used in collecting the data together with methods of using and interpreting the data. The report of the Hydrology Subcommittee of the Pacific Southwest Inter-Agency Committee entitled "Limitations in Hydrologic Data as Applied to Studies of Water Control and Water Management", dated February 1966, gives a detailed presentation of the subject and includes references to other publications.

CHAPTER II. SUMMARY OF DATA ACTIVITIES

A summary of the basic data activities in the Central Coastal Area is presented on Table 1. The summary indicates for each activity the origin, purpose, authorization, type of data collected, frequency of measurements or service, agency collecting the data, and number of stations of each type.

Climate

The objective of the climate activity is to assure sufficient historical records of climatological data to plan water development projects to meet the social, economic, and physical needs of the people of California. This objective is achieved by providing cooperative assistance to the U. S. Weather Bureau in the maintenance of its climatological station network. Information collected includes data on precipitation, temperature, evaporation, and wind. These data are supplemented with data gathered by the Department where necessary for the Department's needs.

The optimum operation of reservoirs requires data of precipitation, evaporation, and wind movement. Reservoir spillway design requires data on duration, frequency, and intensity of rainfall over the entire drainage area. Precipitation data from a few stations are needed for early forecasting of possible flooding and water supply conditions.

Climatological data summaries are published in Appendix A.

Surface Water Flow

The objective of the surface water flow activity is to provide a historical record of the flows and stages of surface water throughout the State. This activity augments that of the U. S. Geological Survey and other agencies to provide a statewide base network of primary and secondary stream gaging stations that will satisfy the full needs of the Department and State

TABLE I

SUMMARY OF DATA ACTIVITIES IN THE CENTRAL COASTAL AREA

Activity	Origin	Purpose	Authorization	Data			
				Type Collected	Collected By	Frequency Measured or Serviced	Number of Stations
Climate	1956	To supplement records compiled by the Weather Bureau and to index and file all available data for ready use.	Secs. 228, of Water Code	Precipitation	Cooperators USWB USWB	Daily Daily Hourly	77 95 58
				Temperature	Cooperators USWB	Daily Daily	51 62
				Evaporation and Wind	Cooperators USWB	Daily Daily	12 6
Surface Water Flow	1924	To provide an inventory of data on surface water which will be available now and in the future for: (1) forecasting stream-flow; (2) planning water development projects; (3) operation of flood control and multiple purpose projects; (4) studying tidal action; and (5) formulation of agreement on water rights without expensive litigation.	Secs. 225, 226 of Water Code	1. Streamflow	DWR USGS (Fed.-State) USGS (Other)	1. Measured monthly	1 60 60
				2. Tidal Stage	DWR	2. Visited monthly	2
				3. Stage	DWR	3. Visited semi-annually	1
Ground Water Measurement	1917	To compile representative ground water data so that: (1) information will be available for future conjunctive operation; (2) appraisal can be made of drainage and overdraft problems; (3) local interest and cooperation will be stimulated; and (4) planning to develop the potential ground water basins can be facilitated.	Secs. 225, 226, 228, of Water Code	Depth to Ground Water	DWR, USGS and Cooperators	Key wells measured once a month	391 monthly wells, of which DWR measured 33
						Grid wells measured annually or semi-annually	1589 grid wells, of which DWR measured 48
Surface Water Quality Data	1951	Objectives of this program are: (1) to determine the quality of the State's surface waters, (2) to detect changes in quality and alert control agencies when adverse changes occur; (3) to determine trends; (4) to record and catalogue the data in a readily available form; and (5) to disseminate the data and information gathered.	Sec. 229 of Water Code	Mintral (complete mineral semiannually, partial mineral remaining months)	DWR	Monthly	24
				Spectrographic (trace elements)	DWR	Semiannually	7
				Radiological	DWR	Annually	23
				Bacteriological	DWR	Monthly	22
				Specific conductance (continuous recorder)	DWR	Twice each month	1
Ground Water Quality	1953	To compile representative ground water quality data to: (1) establish the quality of existing ground water bodies in the State; (2) provide for organization and ready dissemination of ground water quality data.	Sec. 229 of Water Code	Standard and partial mineral	DWR and Cooperators	Annually	371
						Semiannually	159
				Heavy metal	DWR	Quarterly	2
				Radiological	DWR	Quarterly	2

in connection with water-associated engineering activities. Knowledge of the occurrence of surface water, quantitatively with time and location, is basic to development of the water resources of the State. Continuous historic records of natural streamflow are essential to select and operate water development projects, to determine the maximum amount of water that can be anticipated on a firm basis at a storage site, and to determine the size of a reservoir required to obtain certain firm yields at that site. Long-time records of streamflow are also essential to formulate and operate flood control projects. These records can provide the basis for development of agreements on water rights without expensive litigation.

The surface water activities in the Central Coastal Area involve the operation and maintenance of stream gaging and tidal stage stations, and the collection and compilation of surface water imports and stage records.

Surface water flow data gathered by the Department and similar data collected from other agencies are included in Appendix B of this report.

Ground Water Measurement

The objectives of the ground water measurement activity are to provide sufficient records of ground water level data for the planning and development of the ground water resources of the State; to determine the amount of water in storage and the change in storage over time; and to determine the direction and magnitude of the movement of ground water. All studies of ground water problems and plans for solution of these problems must be founded upon records of water level measurements and upon quality analyses of water samples obtained over a period of years.

Table 2 gives an areal summary of the ground water data collected in the Central Coastal Area. Ground water level data from selected wells are included in Appendix C.

TABLE 2
SUMMARY OF GROUND WATER DATA
COLLECTED IN THE CENTRAL COASTAL AREA
July 1, 1964 - September 30, 1965

Ground Water Basin or Unit	Basin Number	Measuring or Sampling Agency	Number of Wells Measured	Number of Wells Sampled
		NORTH COASTAL REGION (No. 1)		
Potter Valley	1-14.00	U. S. Geological Survey	2	
Ukiah Valley	1-15.00	U. S. Geological Survey	2	
		Mendocino County Farm Advisor		11
Sanel Valley	1-16.00	U. S. Geological Survey	3	
		Mendocino County Farm Advisor		6
Alexander Valley	1-17.00	U. S. Geological Survey	6	
		Department of Water Resources		6
Santa Rosa Valley	1-18.00			
Santa Rosa Area	1-18.01	U. S. Geological Survey	3	
		Department of Water Resources	10	17
Healdsburg Area	1-18.02	U. S. Geological Survey	9	
Lower Russian River Valley	1-98.00	U. S. Geological Survey	3	
		SAN FRANCISCO BAY REGION (No. 2)		
Petaluma Valley	2-1.00	U. S. Geological Survey	3	
		Sonoma County F. C. & W. C. D.		15
		Department of Water Resources	3	9
Napa-Sonoma Valley	2-2.00			
Napa Valley	2-2.01	U. S. Geological Survey	4	
		Napa County	117	
		Department of Water Resources		22
Sonoma Valley	2-2.02	U. S. Geological Survey	3	
		Sonoma County F. C. & W. C. D.		9
		Department of Water Resources	1	
Suisun-Fairfield Valley	2-3.00	U. S. Geological Survey	2	
		Solano County	15	
		Department of Water Resources	4	17
Pittsburg Plain	2-4.00	Department of Water Resources		3
Clayton Valley	2-5.00	Department of Water Resources		8
Ygnacio Valley	2-6.00	Department of Water Resources	5	7
Santa Clara Valley	2-9.00			
East Bay Area	2-9.01	Alameda County Water District	367	73
		Alameda County F. C. & W. C. D.	54	24
		Department of Water Resources	3	2
South Bay Area	2-9.02	U. S. Geological Survey	3	
		Santa Clara Valley W. C. D.	244	47
Livermore Valley	2-10.00	Alameda County F. C. & W. C. D.	159	37
Half Moon Bay Terrace	2-22.00	Department of Water Resources	8	
San Gregorio Valley	2-24.00	Department of Water Resources	5	
Pescadero Valley	2-26.00	Department of Water Resources	7	
		CENTRAL COASTAL REGION (No. 3)		
West Santa Cruz Terrace	3-26.00	Santa Cruz County	7	
Soquel Valley	3-1.00	Santa Cruz County	5	
		Department of Water Resources	3	
Pajaro Valley	3-2.00	Monterey County F. C. & W. C. D.	22	9
		Santa Cruz County	57	
		City of Watsonville	7	
		Department of Water Resources	10	20
Gilroy-Hollister Valley	3-3.00			
South Santa Clara County	3-3.01	South Santa Clara County W. C. D.	23	
		Santa Clara Valley W. C. D.	16	
		Department of Water Resources	17	12
		City of Gilroy	5	
San Benito County	3-3.02	Pacheco Pass Water District and San Benito County	109	
		Department of Water Resources	6	15
Salinas Valley	3-4.00	Monterey County F. C. & W. C. D.	520	79
		San Luis Obispo County	95	31
Carmel Valley	3-7.00	Monterey County F. C. & W. C. D.	33	9

Surface Water Quality

The surface water quality data activity provides basic information about chemical, physical, and sanitary quality characteristics of the State's surface waters. The information is used to assess the usability of these waters; to determine water treatment needs; to assess fish, wildlife, and recreational potentials; to identify conditions requiring remedial action or intensive investigation; and to support hydrologic studies.

Most of the data have been collected by scheduled sampling of an established network of stations covering major streams. Additional data are obtained as a result of special studies. Surface water quality data developed by this Department in the Central Coastal Area, except data from investigational stations in the San Francisco Bay System below Antioch, are presented in Appendix D.

Ground Water Quality

The ground water quality data activity provides basic information about quality characteristics of the State's ground waters. The information is used to assess the usability of ground waters, to determine treatment needs, to support hydrologic studies, and to identify conditions requiring remedial action or intensive investigation.

Most of the data have been collected by scheduled sampling of an established network of wells in the larger ground water basins. Additional data are obtained as a result of special studies.

Table 2 gives an areal summary of ground water data collected in the Central Coastal Area. Records of ground water quality are presented in Appendix E.

Appendix A

CLIMATE

INTRODUCTION

This appendix contains station index, monthly precipitation, monthly temperatures, and monthly evaporation tables. The tables cover the period from July 1, 1964, to September 30, 1965.

Methods and Procedures

Standard meteorological equipment is used at most of the stations. The stations are operated according to practices established by the U. S. Weather Bureau. Commonly accepted procedures are employed in summing up monthly totals and computing mean values.

Coding

The numbering system used by the Department was developed to facilitate station identification for data processing machines. Station numbers are composed of three components - the drainage basin designation, the alpha order number, and the subnumber.

Drainage Basin Designation

The State was divided into major hydrographic areas and each of these areas was assigned an alphabetical letter which is the first digit of the drainage basin designation. The second digit was obtained by dividing the major hydrographic areas into stream basins of primary importance and assigning a number of 0-9 with 0 generally being the valley floor.

The major hydrographic areas and the subareas which are reported in this volume are as follows:

Hydrographic Area D
Central Coastal Area

D0 - Santa Cruz Coast
D1 - Pajaro-San Benito Rivers
D2 - Lower Salinas River
D3 - Upper Salinas River
D4 - Monterey Coast

Hydrographic Area E
San Francisco Bay Area

E0 - San Francisco Bay
E1 - Coast-Marin
E2 - Marin-Sonoma
E3 - Napa-Solano
E4 - East Bay
E5 - Alameda Creek
E6 - Santa Clara Valley
E7 - Bayside-San Mateo
E8 - Coast-San Mateo

Hydrographic Area F
North Coastal Area

F8 - Mendocino Coast
F9 - Russian River

Alpha Order Number and Subnumber

The four digit alpha order numbers are assigned each station to denote its order in alphabetical sequence, mainly for machine processing. As the collection of data progressed, it was found necessary to add a subnumber of two digits to the four-digit alpha number to maintain the alphabetical order of all station names.

EXPLANATION OF TABLES

Symbols and abbreviations used in this appendix are:

B Adjusted to a full month.

E Wholly or partially estimated.

M All or part of record missing. When used with a value, less than ten days of records are missing.

- Record missing.

RB Record begins.

RE Record ends.

T Trace, an amount too small to measure.

V Includes total for previous month.

* Amount included in following measurement, time distribution unknown.

Climatological Station Index

Table A-1 is an index of climatological stations. Tabulated are:

station number, name, elevation, location, (See page 62 for 40 acre tract and base & meridian description), cooperator number, cooperator's index number, period of record, and county. The cooperator numbers assigned are as follows:

000	Private Cooperator
403	Sonoma County Flood Control and Water Conservation District
407	San Benito County
411	Marin County
413	Marin Municipal Water District
414	Santa Clara Valley Water Conservation District
418	Vallejo Water Department
426	Santa Clara County Flood Control and Water District
801	Pomology Department, U. C. Davis
804	State Department of Beaches and Parks
806	State Department of Water Resources
808	State Division of Forestry
809	State Division of Highways
900	U. S. Weather Bureau
901	Corps of Engineers, San Francisco District
902	U. S. Air Force
907	State Climatologist (unpublished USWB)
909	U. S. Soil Conservation Service

The code for counties listed in this index is as follows:

Alameda	60	San Francisco	80
Contra Costa	07	San Luis Obispo	40
Marin	21	San Mateo	41
Mendocino	23	Santa Clara	43
Monterey	27	Santa Cruz	44
Napa	28	Solano	48
San Benito	35	Sonoma	49

Precipitation Data

Table A-2 presents total monthly and seasonal precipitation in inches for the period from July 1, 1964, through September 30, 1965.

Temperature Data

Table A-3 for the period July 1, 1964, through September 30, 1965, includes the maximum and minimum temperatures, the average of the daily maximum temperatures, the average of the daily minimum temperatures, and the average of the daily maximum and minimum temperatures recorded during the month. The temperatures are recorded in degrees Fahrenheit.

Evaporation Data

Table A-4 presents total evaporation during each month in inches, total wind movement during the month in miles, the monthly average of daily maximum water temperatures, and the monthly average of daily minimum water temperatures for the period July 1, 1964, through September 30, 1965.

TABLE A-1
CLIMATOLOGICAL STATION INDEX
1964-65

STATION NUMBER	STATION NAME	ELEVATION (IN FEET)	SECTION	TOWNSHIP	RANGE	40-ACRE TRACT	BASE & MERIDIAN	LATITUDE °	LATITUDE '	LATITUDE "	LONGITUDE °	LONGITUDE '	LONGITUDE "	COOPERATOR NUMBER	COOPERATOR'S INDEX NUMBER	RECORD BEGIN	RECORD ENDED	YEARS MISSING	COUNTY CODE
E6 0053	ALAMITOS PERC POND	185						37	15	18	121	52	18	414		1959			43
E4 0064	ALAMO 1N	410						37	52		122	02		900		1957			07
E6 0125	ALMADEN RESERVOIR	640	SEC	11	T09S	R01E	E M	37	10	00	121	50	00	414		1936			43
F9 0135	ALPINE DAM	680			T01N	R07W	M	37	56	30	122	38	18	413		1925			21
E3 0212	ANGWIN P U C	1815	SEC	05	T08N	R05W	M	38	34	18	122	26	12	900		1939			28
02 0322	ARROYO SECO	800	SEC	36	T19S	R04E	M	36	14	00	121	29	00	900		1931			27
D3 0360-01	ATASCADERO MAINT STN	940	SEC	26	T28S	R12E	R M	35	27	30	120	38	24	809	L145	1948			40
E3 0372	ATLAS ROAD	1735	SEC	25	T07N	R04W	M	38	25	00	122	15	00	900		1940			28
D0 0674	BEN LOMOND	504	SEC	09	T10S	R02W	M	37	05	00	122	06	00	900		1937			44
E4 0693	BERKELEY	299			T01S	R03W	M	37	52	00	122	15	00	900		1887			40
E6 0706	BERRYESSA 1 E	205	SEC	23	T06S	R01E	P M	37	23	00	121	50	00	000		1921	1965		43
D4 0790	BIG SUR STATE PARK	240	SEC	30	T19S	R02E	M	36	15	00	121	47	00	900		1914			27
E6 0850	BLACK MTN 2 SW	2331	SEC	36	T07S	R03W	M	37	18	00	122	10	00	900		1943			43
F9 0876	BLAKES LANDING	40	SEC	13	T04N	R10W	M	38	11	42	122	55	00	000		1956			21
F9 0969	BON TEMPE DAM	723	SEC	11	T01N	R07W	M	37	57	24	122	36	36	413		1958			21
F8 0973	BOONVILLE HMS	340	SEC	02	T13N	R14W	F M	39	00	54	123	22	18	900	PN0971	1936			23
F8 0973-02	BOONVILLE FARRER	395			T13N	R14W	M	39	00	48	123	22	12	901		1951			23
D0 1005	BOULDER CK LOCATELLI	2180	SEC	16	T09S	R03W	M	37	09	00	122	12	00	900		1943			44
D3 1034	BRADLEY	540	SEC	08	T24S	R11E	M	35	52		120	48		900		1946			27
D3 1142	BRYSON	925	SEC	34	T24S	R08E	M	35	48	00	121	05	00	900		1946			27
D1 1170	BUENA VISTA	1640	SEC	27	T13S	R07E	R M	36	46	00	121	11	00	900		1932			35
E7 1206	BURLINGAME	10			T04S	R05W	M	37	35	00	122	21	00	900		1946			41
E4 1216	BURTON RANCH	530	SEC	09	T01S	R02W	M	37	52	00	122	05	00	900		1955			07
D1 1247	BUZZARD LAGOON	1275	SEC	26	T10S	R01E	M M	37	02	00	121	50	00	000		1959			44
E5 1281	CALAVERAS RESERVOIR	805	SEC	24	T05S	R01E	M	37	29	12	121	49	06	900		1874			60
E6 1285	CALERO RESERVOIR	500	SEC	04	T09S	R02E	E M	37	10	48	121	45	48	414		1958			43
E3 1312	CALISTOGA	365	SEC	36	T09N	R07W	M	38	35	00	122	35	00	900		1873			28
E6 1341-10	CAMBRIAN PARK						M	37	15	12	121	55	24	426					43
E6 1377-01	CAMPBELL WATER CO	192	SEC	35	T01S	R01W	C M	37	17	00	121	57	00	000		1897		09	43
D4 1534	CARMEL VALLEY	425			T17S	R02E	M	36	29	00	121	44	00	900		1957			27
F9 1602	CAZADERO	1040	SEC	13	T08N	R12W	M	38	32	00	123	07	00	900		1939			49
D1 1739	CHITTENDEN PASS	125	SEC	12	T12S	R03E	M	36	54	00	121	36	00	900		1945			35
D1 1739-01	CHITTENDEN	104	SEC	11	T12S	R03E	K M	36	54	08	121	36	17	909		1960			44
D3 1743	CHOLAME HATCH RANCH	1975	SEC	12	T26S	R16E	M	35	41	00	120	12	00	900		1925			40
D1 1766	CIENEGA	900	SEC	18	T14S	R06E	B M	36	42	54	121	20	48	407		1950			35
F9 1838	CLOVERDALE 3 SSE	320	SEC	29	T11N	R10W	M	38	46	00	122	59	00	900		1950			49
F9 1840	CLOVERDALE 11 W	1820	SEC	17	T11N	R12W	M	38	46	00	123	13	00	900		1939			49
E3 1919	COLLINSVILLE	34	SEC	22	T03N	R01E	F M	38	05	26	121	51	17	000		1947			48
E4 1962	CONCORD 3 E	200			T01N	R01W	M	37	58	00	121	59	00	900		1954			07
D0 2048	CORRALITOS	260						36	59		121	48		900		1958			43
F9 2105	COYOTE DAM	720	SEC	34	T16N	R12W	M	39	11	00	123	11	00	901		1960			23
E6 2109	COYOTE RESERVOIR	800	SEC	09	T10S	R04E	C M	37	05	06	121	32	24	414		1938			43
D0 2159	CREST RANCH	2640					M	37	05	06	122	08	00	000		1948			44
E4 2177	CROCKETT	12	SEC	32	T03N	R03W	M	38	02	00	122	13	00	900		1918			07
D0 2290	DAVENPORT	273	SEC	32	T10S	R03W	Q M	37	01		122	12		900		1910			44
02 2362	DEL MONTE	46			T15S	R01E	M	36	36	00	121	52	00	900		1911			27
E3 2399-48	DENVERTON 1 S	22	SEC	08	T04N	R01E	F M	38	12	23	121	53	28	000		1950			48
E3 2580	DUTTONS LANDING	20						38	12	00	122	18	00	900		1955			28
E6 2919	EVERGREEN	340	SEC	20	T07S	R02E	G M	37	19	00	122	02	00	000		1942			43
E3 2933	FAIRFIELD	15	SEC	25	T05N	R02W	M	38	15	00	122	03	00	900		1940			48
E3 2934	FAIRFIELD POLICE STA	19	SEC	26	T05N	R02W	M	38	15	00	122	03	00	900		1951			48
F8 3161	FORT BRAGG	80	SEC	07	T18N	R17W	M	39	27	00	123	48	00	900		1895			23
F8 3164	FORT BRAGG AVIATION	61						39	24	00	123	49	00	900		1940			23
F8 3191	FORT ROSS	116	SEC	30	T08N	R12W	D M	38	31		123	15		900		1874			49
D1 3232	FREEDOM 8 NNW	1495	SEC	24	T10S	R01E	M	37	03	00	121	49	00	900		1952			44
D1 3238	FREMONT PEAK	2500						36	45	36	121	29	54	000		1950			35
E5 3387	GERBER RCH	2140	SEC	36	T06S	R04E	P M	37	22	00	121	29	12	900		1912			43
D1 3417	GILROY	194	SEC	06	T11S	R04E	M	37	00	00	121	34	00	900		1957			43
D1 3419	GILROY 8NE	1050	SEC	28	T10S	R05E	M	37	02	00	121	26	00	900		1942			43
D1 3422	GILROY 14 ENE	1350	SEC	05	T10S	R06E	M	37	06	00	121	20	00	900		1940			43
D2 3502	GONZALES 9 ENE	2350	SEC	15	T16S	R06E	M	36	33	00	121	18	00	900		1943			35
F9 3577	GRATON	200	SEC	21	T07N	R09W	M	38	25	54	122	51	48	000		1928			49
F9 3578	GRATON 1 W	210			T07N	R09W	M	38	26	00	122	53	00	900		1896			49
D2 3591	GREENFIELD BAKER	280					M	36	19	24	121	14	36	901					27
E3 3612-01	GREEN VALLEY	414	SEC	03	T05N	R03W	M	38	17	00	122	10	00	418		1893		18	48
E6 3681	GUADALUPE RESERVOIR	450	SEC	29	T08S	R01E	Q M	37	12	00	121	59	00	414		1936			43
F9 3683	GUERNEVILLE	115	SEC	25	T08N	R10W	M	38	30	00	123	00	00	900		1939			49
E8 3714	HALF MOON BAY 2 NNW	60	SEC	19	T05S	R05W	M	37	29	00	122	27	00	900		1939			41
D3 3722	HAMES VALLEY	725	SEC	32	T23S	R10E										1963			27
E4 3863	HAYWARD 6 ESE	925	SEC	28	T03S	R01W	M	37	39	00	121	58	00	900		1940			60

TABLE A-1
CLIMATOLOGICAL STATION INDEX
1964-65

STATION NUMBER	STATION NAME	ELEVATION (IN FEET)	SECTION	TOWNSHIP	RANGE	40-ACRE TRACT	BASE & MERIDIAN	° - LATITUDE =	° - LONGITUDE =	COOPERATOR'S NUMBER	COOPERATOR'S INDEX NUMBER	RECORD BEGIN	RECORD ENDED	YEARS MISSING	COUNTY CODE
F9 3875	HEALDSBURG	101	SEC 19	T09N	R09W		M	38 37	122 50	900		1877			49
F9 3878	HEALDSBURG 2 E	102		T09N	R09W		M	38 37	122 50	900		1943			49
D1 3925	HERNANDEZ 2 NW	2160	SEC 29	T17S	R10E		M	36 25 00	120 55 00	900		1940			35
D1 3928	HERNANDEZ 7 SE	2765	SEC 06	T19S	R12E		M	36 18 00	120 42 00	900		1940			35
D1 4022	HOLLISTER	285		T12S	R05E		M	36 51 00	121 24 00	900		1874			35
D1 4022-10	HOLLISTER COSTA	170	SEC 32	T11S	R05E		M	36 55 15	121 26 46	886		1962			35
D1 4025	HOLLISTER 2	284		T12S	R05E		M	36 51 00	121 24 00	900		1938			35
D1 4035	HOLLISTER 10 ENE	3000	SEC 05	T12S	R07E		M	36 55 00	121 14 00	900					35
F9 4100	HOPLAND LARGO STA	550		T13N	R12W		M	39 01 00	123 07 00	900		1948			23
F9 4277	INVERNESS MERY	150						38 05 24	122 51 06	000		1951			21
F9 4480	KELLOGG	1800	SEC 09	T09N	R07W		M	38 40 00	122 40 00	900		1936			49
E2 4500	KENTFIELD	60					M	37 57 00	122 33 00	900		1888			21
F9 4502	KENT LAKE	360		T02N	R08W		M	37 59 54	122 42 30	413		1954			21
D2 4555	KING CITY	320	SEC 18	T20S	R08E		M	36 12 00	121 08 00	900		1887			27
F9 4593	KNIGHTS VALLEY	480	SEC 18	T09N	R07W		M	38 37 00	122 40 00	900		1964			49
E4 4633	LAFAYETTE 2 NNE	540					M	37 55 00	122 06 00	900		1956			07
F9 4652	LAGUNITAS LAKE	785		T01N	R07W		M	37 56 48	122 35 42	413		1881			21
E8 4660	LA HONDA	670	SEC 14	T07S	R04W		M	37 19 00	122 16 00	900		1950			41
E3 4677	LAKE CURRY	396	SEC 19	T06N	R02W		M	38 21 18	122 07 18	418		1926		09	28
D3 4767	LA PANZA RANCH	1550	SEC 20	T29S	R17E		M	35 23 00	120 10 00	900		1948			40
E6 4916	LEROY ANDERSON DAM	700	SEC 10	T09S	R03E	K	M	37 09 48	121 37 48	414		1950			43
E6 4922	LEXINGTON RESERVOIR	700	SEC 05	T09S	R01W	J	M	37 10 36	121 59 18	414		1951			43
D3 4963	LINN RANCH	870	SEC 07	T26S	R12E	F	M	35 41 06	120 43 24	000		1925			40
E5 4996	LIVERMORE SEWAGE PLT	405	SEC 12	T03S	R01E	A	M	37 41 28	121 48 20	000		1961			60
E5 4997	LIVERMORE 2 SSW	545	SEC 20	T03S	R02E		M	37 39 00	121 47 00	900		1871			60
03 5017	LOCKWOOD 2 N	1104	SEC 34	T22S	R08E		M	35 58 00	121 05 00	900		1940			27
E6 5123	LOS GATOS	428		T08S	R01W		M	37 13 00	121 59 00	900		1885			43
E6 5123-04	LOS GATOS WRIGHT	1610	SEC 26	T09S	R01W	H	M	37 07 24	121 56 00	000		1947			43
00 5125	LOS GATOS 4 SW	2215	SEC 01	T09S	R02W		M	37 11	122 02	900		1957			43
D4 5184	LUCIA WILLOW SPRINGS	360	SEC 05	T24S	R05E		M	35 53 00	121 27 00	900		1941			27
E3 5333	MARE ISLAND NAVY	52		T03N	R03W		M	38 06	122 16 12	900		1867			48
E4 5371	MARTINEZ 3 S	225		T02N	R02W		N	37 58 00	122 08 00	900		1941			07
E4 5372	MARTINEZ 3 SSE	280						37 58	122 06	900		1956			07
E4 5377	MARTINEZ FIRE STN	26		T02N	R02W		M	38 01 00	122 08 00	900		1891			07
E2 5647	MILL VALLEY	10	SEC 31	T01N	R06W		M	37 53 48	122 31 36	411		1944			21
D4 5795	MONTEREY	335		T15S	R01E		M	36 36 00	121 54 00	900		1878			27
E6 5844	MORGAN HILL 2 E	225		T09S	R03E		M	37 08 00	121 37 00	900		1943			43
E6 5846	MORGAN HILL 6 WNW	660						37 09	121 46	900					43
01 5853	MORGAN HILL SCS	350	SEC 28	T09S	R03E		M	37 08 00	121 39 00	900		1945			43
E4 5915	MOUNT DIABLO N GATE	2100	SEC 12	T01S	R01W		M	37 52 00	121 56 00	900		1952			07
E5 5933	MOUNT HAMILTON	4206		T07S	R03E		M	37 20 00	121 39 00	900		1881			43
D1 5973	MOUNT MADONNA	1800	SEC 35	T10S	R02E		M	37 01 00	121 43 00	900		1945			44
01 5973-11	MT MADONNA CO PK	1880	SEC 01	T11S	R02E	B	M	37 00 42	121 42 12	909		1937			43
E2 5996	MT TAMALPAIS 2 SW	1480						37 54	122 36	900		1959			21
E2 6027	MUIR WOODS	170					N	37 54 00	122 34 00	900		1940			21
03 6056	NACIMIENTO DAM	770	SEC 15	T25S	R10E		M	35 46 00	120 53 00	900		1957			40
E3 6065	NAPA	16	SEC 03	T05N	R04W		M	38 18 00	122 17 00	900		1945			28
E3 6074	NAPA STATE HOSPITAL	60	SEC 14	T05N	R04W	H	M	38 17 00	122 16 00	900		1877			28
F9 6105	NAVARRO 1 NW	220						39 10	123 34	900		1958			23
E5 6144	NEWARK	14	SEC 01	T05S	R02W	D	M	37 31 18	122 01 43	900		1891			60
F9 6187	NICASIO									413					21
E5 6199-10	NILES PINNA	75		T04S	R01W		N					1962			60
E2 6290	NOVATO 8 WNW	350	SEC 24	T04N	R08W		M	38 08 00	122 43 00	900		1943			21
E2 6290-02	NOVATO FIRE HOUSE	18						38 06 30	122 33 42	411		1957			21
E4 6332-01	OAKLAND 39TH ST			T02S	R03W		M			907		1960			60
E4 6333	OAKLAND CITY HALL	40	SEC 35	T01S	R04W		M	37 48 00	122 16 00	900		1949			60
E4 6335	OAKLAND WB AP	3					M	37 44 00	122 12 00	900		1939			60
E3 6351	OAKVILLE 1 WNW	160	SEC 21	T07N	R05W		M	38 27 00	122 25 00	900		1906			28
E3 6356	OAKVILLE 4SW NO. 2	1685	SEC 01	T06N	R06W		M	38 24 00	122 28 00	900		1963			28
F9 6370	OCCIDENTAL	1000	SEC 33	T07N	R10W		M	38 25 00	122 59 00	900		1940			49
D1 6610	PAICINES ORRWALL PCH	950	SEC 12	T14S	R05E		M	36 44 00	121 22 00	900		1924			35
E6 6646	PALO ALTO CITY HALL	23	SEC 01	T06S	R03W		M	37 27 00	122 08 00	900		1953			43
D2 6650	PALOMA	1835	SEC 23	T18S	R04E		M	36 21 00	121 30 00	900		1940			27
D3 6703	PARKFIELD	1482	SEC 35	T23S	R14E		M	35 53 00	120 26 00	900		1938			27
D3 6706	PARKFIELD 7 NNW	3590	SEC 21	T22S	R14E	N	M	36 59 46	120 28 26	900		1948			10
D3 6730	PASO ROBLES	700	SEC 33	T26S	R12E		N	35 38 00	120 41 00	900		1887			40
D3 6736	PASO ROBLES 5 NW	995	SEC 13	T26S	R11E		M	35 41 00	120 45 00	900		1940			40
03 6742	PASO ROBLES FAA AP	803	SEC 13	T26S	R12E		M	35 40 00	120 38 00	900		1944			40
E6 6791-43	PENITENCIA RAIN GAGE			T06S	R01E		M	37 24 00	121 49 54	426					43
E2 6826	PETALUMA FS NO 2	16	SEC 33	T05N	R07W		M	38 14 00	122 38 00	900		1871			49

TABLE A-1
CLIMATOLOGICAL STATION INDEX
1964-65

STATION NUMBER	STATION NAME	ELEVATION (IN FEET)	SECTION	TOWNSHIP	RANGE	LAND GRANT TRACT	BASE & MERIDIAN	LATITUDE ° ' "	LONGITUDE ° ' "	[illegible] NUMBER	COOPERATOR'S INDEX NUMBER	RECORD BEGIN	RECORD END	[illegible]	COUNTY
E2 6826-01	PETALUMA BURNS	240	SEC 02	T04N	R08W		M	38 13 00	122 42 48	901		1959			49
F8 6851-01	PHILO 2 NW	240		T14N	R15W		M	39 05 30	123 28 30	000		1953			23
F8 6851-02	PHILO 4 NW	240	SEC 33	T15N	R15W			39 01 00	123 37 00	403					23
F9 6853	PHOENIX LAKE DAM	175					M	37 57 18	122 34 24	413		1937			21
D2 6926	PINNACLES NAT MON	1310	SEC 02	T17S	R07E		M	36 29 00	121 11 00	900		1937			35
E5 6991-05	PLEASANTON NURSERY	345	SEC 20	T03S	R01E		M	37 40 00	122 53 00	000		1939			60
F8 7009	POINT ARENA	122	SEC 12	T12N	R17W		M	38 55 00	123 42 00	900		1940			23
E4 7070	PORT CHICAGO NAD	50		T02N	R01W		M	38 01 00	122 01 00	900		1946			07
E8 7086	PORTOLA STATE PARK	422	SEC 08	T08S	R03W	O	M	37 14 42	122 12 42	901		1959			41
F9 7107	POTTER VALLEY 3 NNW	1060	SEC 06	T17N	R11W		M	39 22 00	123 08 00	900		1953	1954		23
F9 7108	POTTER VALLEY 3 SE	1100	SEC 27	T17N	R11W		M	39 18 00	123 04 00	900		1952			23
F9 7109	POTTER VALLEY PH	1014	SEC 06	T17N	R11W		M	39 22 00	123 08 00	900		1911			23
D2 7150	PRIEST VALLEY	2300	SEC 21	T20S	R12E		M	36 11 00	140 42 00	900		1898			27
D1 7190	QUIEN SABE HAY CAMP	1630	SEC 27	T12S	R07E	M	M	36 51 30	121 11 48	000		1949			35
D1 7249	RANCHO QUIEN SABE	1800	SEC 04	T13S	R07E	D	M	36 50 12	121 12 48	000		1931			35
E6 7339	REDWOOD CITY	31		T05S	R03W		M	37 29 00	122 14 00	900		1899			41
F9 7351	REDWOOD VALLEY	718	SEC 09	T16N	R12W		M	39 16 00	123 12 00	900		1937			23
E4 7414	RICHMOND	55						37 56 00	122 21 00	900		1950			07
D4 7539-01	ROOSEVELT RANCH	1100	SEC 24	T20S	R02E		M	36 10 48	121 41 48	000		1946			27
E3 7643	SAINT HELENA	255	SEC 31	T08N	R05W	N	M	38 30	122 28	900		1907			28
E3 7646	SAINT HELENA 4 WSW	1792	SEC 04	T07N	R06W		M	38 30 00	122 32 00	900		1939			21
E4 7661	SAINT MARYS COLLEGE	625	SEC 17	T01S	R02W		M	37 50 00	122 06 00	900		1942			07
D2 7668	SALINAS 2 E	80						36 40 00	121 37 00	900		1958			27
D2 7669	SALINAS FAA AP	80		T14S	R03E		M	36 40 00	121 36 00	900		1873			27
D3 7672	SALINAS DAM	1380	SEC 08	T30S	R14E		M	35 20 00	120 30 00	900		1942			40
E2 7707-01	SAN ANSELMO	100						37 58 36	122 33 42	411		1957			21
D3 7714	SAN ANTONIO MISSION	1060	SEC 18	T22S	R07E		M	36 01 00	121 15 00	900		1959			27
D2 7716	SAN ARDO	440	SEC 16	T22S	R10E	K	M	36 00 48	120 54 06	900		1894			27
D1 7719	SAN BENITO	1355	SEC 27	T16S	R08E	H	M	36 30 30	121 04 54	900		1936			35
D4 7731	SAN CLEMENTE DAM	600	SEC 23	T17S	R02E		M	36 26 12	121 42 30	900	NPGS18	1940			27
D1 7755	SAN FELIPE HGHWY STN	365		T10S	R06E		M	37 01 00	121 20 00	900		1943			43
E8 7767	SAN FRANCISCO SUNSET	300		T02S	R06W		M	37 46 00	122 30 00	900		1948			80
E7 7769	SAN FRANCISCO WB AP	8						37 37 00	122 23 00	900		1928			41
E7 7772	SAN FRANCISCO F O B	52						37 47 00	122 25 00	900		1931			80
E8 7807	SAN GREGORIO 3 SE	355	SEC 30	T07S	R04W		M	37 18 00	122 20 00	900		1954			41
E6 7821	SAN JOSE	70		T07S	R01E		M	37 21 00	121 54 00	900		1874			43
E6 7824	SAN JOSE 2	60						37 22	121 55	900					43
D1 7834	SAN JUAN BAUTIST 3SSE	615	SEC 10	T13S	R04E		M	36 49 00	121 31 00	900		1943			35
D1 7835	SAN JUAN BAUTISTA MI	200						36 50 42	121 32 00	804		1900		02	35
D2 7845-10	SAN LUCAS GUIDICI	380	SEC 08	T21S	R09E	B	M	36 07 25	121 01 09	806		1962			27
E7 7864	SAN MATEO	30	SEC 29	T04S	R04W		M	37 34 00	122 19 00	900		1874			41
E2 7880	SAN RAFAEL	31						37 58 00	122 32 00	900		1948			21
E2 7880-08	SAN RAFAEL NAT BANK	25		T02N	R06W		M	37 58 24	122 31 30	413		1876			21
E6 7912	SANTA CLARA UNIV	88		T07S	R01W		M	37 21 00	121 56 00	900		1881			43
D0 7916	SANTA CRUZ	125					M	36 59 00	122 01 00	900		1866			44
D3 7930	SANTA MARGARITA 2 SW	1200	SEC 36	T29S	R12E		M	35 22 00	120 38 00	900		1940			40
D3 7933	SANTA MARGARITA BSTR	1100	SEC 25	T29S	R12E		M	35 22 00	120 38 00	900		1931		03	40
D2 7959-10	SANTA RITA MUTHER	80	SEC 12	T14S	R03E	H	M	36 45 00	121 41 24	806		1962			27
F9 7964	SANTA ROSA SEWAGE PT	20	SEC 21	T07N	R08W	P	M	38 26 24	122 45 12	000		1956			49
F9 7965	SANTA ROSA	167		T07N	R08W		M	38 27 00	122 42 00	900		1888			49
F9 7965-03	SANTA ROSA PEDRANZINI	90	SEC 16	T06N	R08W	R	H			806		1962	1965		49
E6 7998-01	SARATOGA CLARK	272		T07S	R01W		M	37 16 48	121 59 42	414		1956			43
E6 7998-02	SARATOGA GAR MAINT									809					43
E6 7998-03	SARATOGA KRIEGE			T08S	R02W		M	37 15 00	122 02 00			1960			43
E6 8068	SEARSVILLE LAKE	350	SEC 12	T06S	R03W		M	37 24 00	122 14 00	900		1949			41
F9 8072	SEBASTOPOL 4 SSE	150	SEC 06	T06N	R09W		M	38 21 00	122 49 00	900		1935			49
F9 8272	SKAGGS SPR LAS LOMAS	1930	SEC 36	T10N	R12W		M	38 41 00	123 08 00	900		1939			49
D2 8276	SLACK CANYON	1730	SEC 22	T21S	R12E		M	36 05 00	120 40 00	900		1955			27
D2 8338	SOLEDAD	204		T17S	R06E		M	36 26 00	121 19 00	900		1874			27
D2 8338-01	SOLEDAD CTF	230	SEC 12	T17S	R05E	B	M	36 28 26	121 22 34	000		1961			27
E2 8351	SONOMA	20					M	38 17 00	122 27 00	900		1952			49
E0 8376	S E FARALLON	27					M	37 42 00	123 00 00	900		1941			80
D2 8446	SPRECKELS HWY BRIDGE	60		T15S	R03E		M	36 36 00	121 41 00	900		1905			27
D2 8446-01	SPRECKELS	48	SEC 16	T15S	R03E			36 37	121 39	000		1905			27
E6 8447	SPRECKELS HILL-LAG.SE	384		T09S	R03E		M	37 12 00	121 44 00	414					43
E6 8519	STEVENS CREEK RES	600	SEC 28	T07S	R02W	H	M	37 18 00	122 05 00	414		1937			43
D1 8680	SUNSET BEACH ST PARK	85						36 54 00	121 50 00	900		1956			44
E2 8779	TAMALPAIS VALLEY	250						37 52 42	122 32 36	901		1959			21
D3 8849	TEMPLETON	773	SEC 29	T27S	R12E		M	35 32 56	120 42 21	000		1886		05	40
F9 8885	THE GEYSERS	1600	SEC 23	T11N	R09W		M	38 48 00	122 49 00	900		1939			49

TABLE A-1
CLIMATOLOGICAL STATION INDEX
1964-65

STATION NUMBER	STATION NAME	ELEVATION (IN FEET)	SECTION	TOWNSHIP	RANGE	BASE & MERIDIAN	LATITUDE ° ' "	LONGITUDE ° ' "	COOPERATOR NUMBER	COOPERATOR'S INDEX NUMBER	RECORD BEGIN	RECORD ENDED	YEARS MISSING	COUNTY CODE
E2 8920-21	TIBURON TOPHAM	400		T01S	R05W	M	37 52 24	122 27 12	000		1960			21
B9 9001	TRACY PUMPING PLANT		SEC 31	T01S	R04E		37 48 00	121 35 00						
F9 9122	UKIAH	623	SEC 17	T15N	R12W	M	39 09 00	123 12 00	900		1877			23
F9 9124	UKIAH 4 WSW	1900					39 08	123 17	900		1951			23
E4 9185	UPPER SAN LEANDRO FIL	390	SEC 11	T02S	R03W	G M	37 46 00	122 10 00	900		1944			07
01 9189	UPPER TRES PINOS	2050	SEC 07	T15S	R09E	M	36 38	121 02	900		1940			35
03 9221	VALLETON	950	SEC 32	T23S	R12E	M	35 53 00	120 42 00	900		1940			27
E6 9270	VASONA RESERVOIR	300				M	37 14 36	121 58 00	426					43
F9 9273	VENADO	1260	SEC 19	T09N	R10W	M	38 37 00	123 01 00	900		1939			49
E3 9305	VETERANS HOME	170	SEC 01	T06N	R05W	M	38 23	122 22	000		1912			28
E4 9420	WALMAR SCHOOL	128				M	37 57 00	122 05 00	900		1954			07
E4 9423	WALNUT CREEK 2 ESE	245	SEC 36	T01N	R02W	M	37 53 00	122 02 00	900		1887			07
E4 9426	WALNUT CREEK 2 ENE	220	SEC 30	T01N	R02W	M	37 54 00	122 01 00	900		1944			07
E4 9427	WALNUT CREEK 4 E	400					37 54 00	121 59 00	900		1954			07
01 9473	WATSONVILLE WATERWKS	95					36 56 00	121 46 00	900		1880			44
00 9675	WILDER RANCH	50				M	36 57 36	122 05 24			1924			44
E3 9675-41	WILD HORSE VALLEY	1240	SEC 10	T05N	R03W	D M	38 17 53	122 11 13	418					48
F9 9770	WOODACRE	430					38 00 24	122 38 30	808	049770	1950			21
E6 9814	WRIGHTS	1600	SEC 23	T09S	R01W	M	37 08 00	121 57 00	900		1918			43
F8 9851	YORKVILLE	1100	SEC 02	T12N	R13W	M	38 55 00	123 16 00	900		1939			23
E3 9861	YOUNTVILLE GAMBLE	120	SEC 24	T07N	R05W	P M	38 26 05	122 22 05	806		1962			28

TABLE A-2

PRECIPITATION DATA

STATION NAME	Precipitation in Inches																
	TOTAL July 1 To June 30	1964						1965									TOTAL Oct. 1 To Sept. 30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
		HYDROGRAPHIC AREA D (Central Coastal Area)															
SANTA CRUZ COAST (D0)																	
Ben Lomond	60.80	0.00	0.15	0.00	4.44	8.53	22.81	11.16	2.34	4.26	7.11	0.00	0.00	0.00	0.04	T	60.69
Boulder Creek Locatelli Rch	73.44	0.00	0.09	0.00	2.80	11.93	26.57	14.08	2.96	4.88	10.13	0.00	0.00	0.00	0.20	0.09	73.64
Corralitos	26.54	0.00	0.12	0.00	1.31	4.07	10.82	3.33	1.37	2.72	2.80	0.00	0.00	0.00	-	0.00	-
Crest Ranch	78.23	0.00	0.11	0.00	3.33	11.90	28.40	13.92	2.90	7.55	9.90	0.10	0.12	0.00	0.00	0.00	78.12
Davenport	28.31	0.02	0.09	0.04	1.97	4.90	9.77	3.51	1.75	2.83	3.31	0.00	0.12	0.00	0.05	0.00	28.21
Santa Cruz	30.90	0.00	0.17	0.20	1.67	3.81	13.06	3.78	1.71	2.98	3.43	0.02	0.07	0.00	0.11	0.00	30.64
Sunset Beach State Park	18.75	0.00	0.10	0.00	1.08	2.82	7.66	1.70	1.04	2.22	2.13	0.00	0.00	0.00	0.20	0.00	18.85
Wilder Ranch	21.54	0.00	0.10	0.00	0.66	3.22	8.31	3.19	1.76	2.63	1.67	0.00	0.00	0.00	0.10	0.00	21.54
PAJARO-SAN BENITO RIVERS (D1)																	
Buena Vista	13.18	0.00	0.24	0.00	1.10	2.21	4.04	1.66	0.74	1.59	1.46	0.14	0.00	0.00	-	0.04	-
Buzzard Lagoon	45.10	0.00	0.25	0.00	1.76	5.38	20.25	6.14	2.35	4.68	4.29	0.00	0.00	0.00	0.27	0.00	45.12
Chittenden	20.88	0.00	0.16	0.00	1.23	2.94	9.38	1.60	0.93	2.33	2.31	T	0.00	0.00	0.65	0.02	21.39
Chittenden Pass	22.39	0.00	0.05	0.13	1.15	2.99	9.72	2.51	0.88	2.30	2.66	0.00	0.00	0.00	0.66	0.03	22.90
Cienega	21.11	0.00	0.00	0.32	1.98	3.71	7.25	2.57	0.34	2.12	2.82	0.00	0.00	0.00	0.46	0.00	21.55
Freedom 8 NNW	-	0.00	0.14	0.00	1.73	5.44	17.20	6.82	-	3.40	-	0.00	0.00	0.00	-	0.00	-
Gilroy	21.71	0.00	0.05	0.09	1.19	3.01	8.40	3.55	0.76	2.03	2.63	0.00	0.00	T	0.58	0.00	22.15
Gilroy 14 ENE	20.80	0.00	T	0.19	1.64	2.95	6.74	4.01	0.78	1.84E	2.65E	0.00	0.00	T	0.27	T	20.88
Hernandez 2 NW	16.20	T	0.26	T	1.90	2.75	3.84	1.85	0.44	2.41	2.75	0.00	0.00	0.22	0.06	0.00	16.22
Hernandez 7 SE	19.68	0.00	0.13	0.00	1.65	3.34	4.22	3.48	0.80	3.08	2.98	0.00	0.00	0.17	0.00	0.05	19.77
Hollister	14.39	0.00	0.17	0.00	1.30	1.65	5.73	1.50	0.49	2.30	1.25	0.00	0.00	T	0.31	0.02	14.55
Hollister Costa	15.68	0.00	0.15	0.00	1.28	1.94	5.67	2.67	0.49	1.75	1.72	T	0.01	0.00	0.15	0.01	15.69
Hollister No. 2	13.89	0.00	0.21	0.00	1.19	1.65	5.87	1.47	0.44	1.94	1.12	0.00	0.00	0.00	0.31	0.02	14.01
Hollister 10 ENE	-	0.00	0.22	0.00	1.47	4.16	9.53	2.69	0.81	2.97	-	0.09	0.06	0.02	0.30	0.07	-
Morgan Hill SCS	22.10	0.00	0.20	0.00	1.10	2.70	7.40	4.80	0.80	1.90	3.20	0.00	0.00	0.00	0.40	0.00	22.30
Morgan Hill 2 E	20.57	0.00	0.14	0.01	1.12	2.57	6.28	4.45	0.67	1.78	3.51	0.00	0.00	T	0.50	0.00	20.92
Mount Madonna	40.45	0.00	0.21	0.00	1.52	5.10	18.51E	6.13	1.70	3.22	4.06	0.00	0.00	0.00	0.40	0.00	40.64
Mount Madonna County Park	40.99	0.06	0.23	0.21	1.63	4.95	18.13	5.89	1.57	3.35	4.48	0.14	0.35	0.01	0.33	0.07	40.90
Paicines Ohrwall Ranch	16.46	0.00	0.00	0.24	1.37	2.87	5.24	2.31	0.39	1.94	2.10	0.00	0.00	0.05	0.50	0.00	16.77
Quien Sabe - Hay Camp	21.40	T	0.00	0.29	1.24	3.44	8.41	2.19	0.60	2.47	2.59	0.17	0.00	0.05	0.18	T	21.34
Rancho Quien Sabe	21.31	0.00	0.27	0.00	1.42	3.12	8.73	2.31	0.54	2.57	2.20	0.15	0.00	0.00	0.19	0.00	21.23
San Benito	13.28	0.00	0.24E	0.00	1.95	2.09	3.36	1.35	0.30	2.07	1.76	0.16	0.00	0.00	0.03	0.06	13.13
San Felipe Highway Station	18.10	0.00	0.17	0.00	1.74	2.44	7.23E	2.40	0.68	1.73	1.71	0.00	0.00	0.00	-	0.05	-
San Juan Bautista 3 SSE	18.90	0.00	0.18	0.00	1.16	2.93	7.25	2.49	0.65	2.29	1.91	0.00	0.04	0.00	0.10	0.00	18.82
San Juan Bautista Mission	16.91	0.00	0.00	0.19	1.21	2.37	6.65	2.44	0.93	1.48	1.63	0.00	0.01	0.02	0.32	0.00	17.06

TABLE A-2

PRECIPITATION DATA

STATION NAME	Precipitation in Inches															
	TOTAL July 1 To June 30	1964						1965								TOTAL Oct. 1 To Sept 30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
	HYDROGRAPHIC AREA D (Central Coastal Area)																
PAJARO-SAN BENITO RIVERS (D1)																	
Spreckels Hill-Laguna Seca	-	0.00	0.10	0.00	0.87	2.55	5.74	2.99	0.53	1.43	2.42	-	0.00	T	0.21	0.00	-
Upper Tres Pinos	-	0.00	0.23	0.00	1.47	2.55	3.73	-	0.50	2.75	2.05	0.00	0.00	0.02	-	0.24	-
Watsonville Water Works	23.13	0.00	0.05	0.11	1.10	3.39	10.49	1.87	1.08	2.38	2.63	0.02	0.01	0.00	0.28	0.00	23.25
LOWER SALINAS RIVER (D2)																	
Arroyo Seco	19.85	0.00	0.15	0.00	1.63	2.72	5.44	3.21	1.07	2.67	2.96	0.00	0.00	0.00	0.07	0.00	19.77
Del Monte	-	0.04	0.26	0.00	0.63	2.21E	2.96	0.95	0.74	-	1.78	0.05	0.02	0.00	0.26	0.00	-
Fremont Peak State Park	26.61	0.00	0.23	0.00	1.72	3.83	10.17	3.41	0.50	3.12	2.93	0.00	0.70	0.00	0.31	0.08	26.77
Gonzales 9 ENE	17.48	0.00	0.31	0.00	1.26	2.51	6.60	1.74	0.42	2.08	2.49	0.07	0.00	0.03	0.17	0.05	17.42
Greenfield Baker	9.16	0.00	0.00	0.20	1.28	1.10	2.17	0.86	0.32	1.51	1.72	0.00	0.00	0.04	0.09	0.00	9.29
Hames Valley	12.90	0.00	0.05	0.00	1.38	1.98	2.45	0.84	0.65	2.39	3.16	0.00	0.00	0.10	0.01	0.00	12.96
King City	10.83	0.00	0.13	0.00	1.50	1.53	2.29	1.60	0.46	1.74	1.58	0.00	0.00	0.00	0.00	0.00	10.70
Monterey	19.60	0.09	0.35	0.01	0.78	3.29	6.45	2.56	1.05	2.44	2.26	0.17	0.15	0.05	0.16	0.02	19.38
Paloma	22.18	T	0.15	0.00	1.58	3.71	6.36	3.71	1.06	2.48	2.86	0.27	T	T	0.31	0.00	22.34
Pinnacles National Monument	17.47	0.00	0.26	0.00	1.84	2.98	4.23	1.86	0.50	2.65	3.06	0.09	T	0.22	0.22	0.04	17.71
Priest Valley	19.57	T	0.13	0.05	1.37	3.70	4.56	3.09	0.86	2.52	3.29	T	0.00	0.19	T	T	19.58
Salinas 2 E	13.88	0.00	0.20	T	0.85	2.72	5.48	1.14	0.39	1.79	1.31	T	T	0.00	0.42	0.02	14.12
Salinas FAA Airport	12.51	T	0.20	T	0.71	2.16	5.13	0.85	0.44	1.70	1.31	0.01	T	T	0.31	0.03	12.65
San Ardo	10.63	0.00	0.00	0.13	1.47	1.86	1.87	0.98	0.56	2.16	1.60	0.00	0.00	0.00	0.05	0.02	10.57
San Lucas Guidici	10.23	0.00	T	0.00	1.10	2.45	1.18	1.06	0.29	1.36	2.79	0.00	0.00	0.02	T	0.00	10.25
Santa Rita Muther	-	0.01	0.24	T	1.28	1.70	5.30	1.28	0.55	2.01	-	-	-	-	-	-	-
Slack Canyon	12.24	0.00	0.13	0.00	0.92	2.50	2.25	1.77	0.68	1.82	2.17	0.00	0.00	0.02	0.00	0.09	12.22
Soledad	9.89	T	T	0.20	1.03	1.35	2.32	1.02	0.30	2.13	1.53	T	0.01	0.20	0.11	0.00	10.00
Soledad CTF	9.96	0.00	0.20	0.20	1.03	1.38	2.55	0.84	0.37	1.89	1.50	0.00	0.00	0.08	0.22	0.00	9.86
Spreckels Highway Bridge	13.95	T	T	0.24	0.68	2.70	4.27	1.28	0.60	2.12	2.00	0.04	0.02	0.00	0.36	0.03	14.10
Spreckels	11.60	0.00	0.20	0.00	0.94	2.76	4.18	0.59	0.22	1.16	1.55	0.00	0.00	0.00	0.40	0.02	11.82
UPPER SALINAS RIVER (D3)																	
Atascadero RMS	18.19	0.00	0.00	0.12	0.93	3.40	4.27	2.59	0.82	2.42	3.64	0.00	0.00	0.04	0.00	0.00	18.11
Bradley	10.07	0.00	0.00	0.00	1.51	1.54	1.33	1.02	0.53	1.40	2.74	0.00	0.00	0.23	0.00	0.02	10.32
Bryson	23.40	0.00	0.10	0.00	2.05	4.18	4.35	4.99	0.88	3.63	3.22	0.00	0.00	0.15	0.05	0.00	23.50
Cholame Hatch Ranch	8.18	0.00	0.10	0.00	0.76	1.80	1.55	1.23	0.36	1.03	1.35	0.00	0.00	0.29	0.05	0.07	8.49
La Panza Ranch	-	0.00	0.35	0.00	0.83	1.00	1.62	0.74	0.30	-	1.35	0.00	0.00	0.10	0.00	0.82	-

TABLE A-2

PRECIPITATION DATA

STATION NAME	Precipitation in Inches																
	TOTAL July 1 To June 30	1964						1965									TOTAL Oct. 1 To Sept 30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
	HYDROGRAPHIC AREA D (Central Coastal Area)																
UPPER SALINAS RIVER (D3)																	
Linn Ranch	13.07	0.00	0.04	0.00	0.83	2.35	2.99	2.31	0.44	1.80	2.31	0.00	0.00	0.02	T	0.09	13.14
Lockwood 2 N	13.74	0.00	0.20	0.00	1.72	2.09	2.52	1.76	0.64	2.70	2.11	0.00	0.00	0.00	0.09	0.00	13.63
Nacimiento Dam	12.59	0.00	0.00	0.06	1.20	1.95	2.55	1.83	0.62	2.06	2.34	0.00	0.00	0.04	0.00	0.00	12.57
Parkfield	13.40	0.00	0.00	0.28	0.75	1.87	2.43	2.44	1.01	1.28	3.34	0.00	0.00	0.32	T	0.43	13.87
Parkfield 7 NNW	-	0.00	0.25E	0.00	0.71	1.40	1.84	1.49	-	1.60	1.85	0.00	0.00	0.25	0.00	0.40	-
Paso Robles	12.45	0.00	0.08	0.03	1.05	2.27	2.37	2.50	0.51	1.16	2.48	0.00	T	0.04	0.03	0.15	12.56
Paso Robles 5 NW	12.50	0.00	0.08	0.00	0.90	2.37	1.76	2.61	0.47	2.02	2.29	0.00	0.00	0.08	0.03	0.05	12.58
Paso Robles FAA AP	11.44	0.02	0.04	0.00	0.83	1.54	1.74	2.18	0.51	1.98	2.60	T	0.00	0.05	0.02	0.12	11.57
Salinas Dam	20.09	T	0.00	0.16	1.15	3.94	4.80	3.36	0.48	2.66	3.54	T	0.00	0.00	T	0.00	19.93
San Antonio Mission	19.79	T	0.00	0.00	1.82	2.64	4.69	3.36	0.48	2.66	3.54	T	0.00	0.00	T	0.00	19.79
Santa Margarita 2 SW	31.98	T	0.10	T	1.73	5.11	9.40	5.49	1.05	3.77	5.33	0.00	T	0.00	0.02	T	31.90
Santa Margarita Booster	32.42	0.01	T	0.11	1.73	5.49	9.08	5.39	1.26	3.85	5.50	0.00	T	T	0.02	0.05	32.37
Templeton	16.71	0.00	0.09	0.00	1.03	3.13	3.55	3.19	0.77	1.92	3.03	T	0.00	0.01	0.00	0.00	16.63
Valleton	9.46	0.00	0.10	0.00	1.00	1.67	1.58E	0.67	0.56	1.64	2.24	0.00	0.00	0.18	0.00	0.30	9.84
MONTEREY COAST (D4)																	
Big Sur State Park	42.99	0.00	0.00	0.36	2.96	5.87	13.96	8.38	1.78	4.79	4.76	0.13	T	T	0.07	0.00	42.70
Carmel Valley	17.73	0.00	0.25	T	0.69	3.17	5.41	2.16	0.83	2.38	2.68	0.16	0.00	0.00	0.17	T	17.65
Lucia Willow Springs	31.07	0.00	0.11	0.00	2.54	3.38E	8.65	7.05	1.04	4.51	3.74	0.05	0.00	0.08	0.05	0.00	31.09
Roosevelt Ranch	32.33	T	0.00	0.22	2.40	4.99	11.30	7.67	1.71	T	4.04	T	0.00	T	0.17	0.00	32.28
San Clemente Dam	19.33	0.00	0.00	0.30	0.87	3.89	4.77	2.92	1.05	2.45	2.92	0.14	0.02	0.00	0.25	0.00	19.28

TABLE A-2

PRECIPITATION DATA

STATION NAME	Precipitation in Inches															
	TOTAL July 1 To June 30	1964						1965								TOTAL Oct. 1 To Sept 30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
	HYDROGRAPHIC AREA E (San Francisco Bay Area)															
SAN FRANCISCO BAY (E0)																
S. F. Forbidden	-	0.00	0.00	0.00	1.14	2.50E	3.76E	-	.49	1.48	-	0.00	0.00	0.00	.18	0.00	-
COAST-MARIN (E1)																
Muir Woods	40.97	0.00	0.03	0.00	3.21	6.32	11.57	7.12	2.07	3.70	6.88	0.00	0.07	0.00	0.68	0.00	41.62
MARIN-SONOMA (E2)																
Kentfield	49.28	T	0.03	0.00	3.83	6.90	15.38	9.70	2.89	4.00	6.55	0.00	0.00	T	0.63	0.00	49.88
Mill Valley	33.01	0.00	0.02	0.00	2.64	4.73	9.42	6.05	1.94	3.10	5.11	0.00	0.00	0.00	0.70	0.00	33.69
Novato Fire House	30.31	0.00	0.00	0.00	3.22	5.33	7.37	6.87	1.51	1.88	4.13	0.00	0.00	0.00	0.70	0.00	31.01
Oakville 4 SW No. 2	47.22	0.10	0.02	0.00	2.86	7.53	15.25E	11.43	1.26	2.24	6.53	0.00	0.00	0.00	0.78	0.00	47.88
Petaluma Fire Station No. 2	25.13	0.05	T	0.00	2.42	5.42	5.81	5.19	1.14	1.53	3.57	0.00	T	0.00	0.41	0.00	25.49
Petaluma - Burns	34.25	0.00	0.00	0.00	3.40	6.25	8.80	7.45	1.60	1.90	4.85	0.00	0.00	0.00	0.35	0.00	34.60
Phoenix Lake Dam	54.45	0.00	0.04	0.00	4.60	8.11	16.35	11.80	2.45	4.40	6.70	0.00	0.00	0.00	0.52	0.00	54.93
San Anselmo	45.74	0.00	0.02	0.00	3.96	6.44	12.33	11.94	2.50	2.97	5.58	0.00	0.00	0.00	0.55	0.00	46.27
San Rafael	39.57	T	0.03	0.00	3.20	5.83	12.27	8.93	2.05	2.62	4.64	0.00	0.00	0.02	0.77	0.00	40.33
San Rafael No. 1	39.71	0.00	0.03	0.00	4.17	4.67	12.29	8.95	2.07	1.90	5.63	0.00	0.00	T	0.80	0.00	40.48
Sonoma	29.45	0.04	0.03	0.00	2.36	5.88	8.96	5.33	1.23	2.08	3.44	0.00	0.00	0.00	0.66	0.00	29.94
Tamalpais Valley	36.74	0.00	0.01	0.00	2.76	5.30	9.99	6.74	2.09	3.71	6.06	0.00	0.08	0.00	0.86	0.00	37.59
Tiburon - Tophes	31.73	T	0.00	0.00	1.92	4.08	10.83	7.19	1.08	2.47	4.16	T	T	T	1.29	0.00	33.02
NAPA-SOLANO (E3)																
Angwin Pacific Union College	47.13	0.00	0.00	0.00	2.29	8.06	17.82	10.44	1.46	1.50	5.50	0.06	0.00	0.04	0.80	0.00	47.97
Atlas Road	-	1.10	0.00	0.00	2.80	5.70E	-	-	-	-	-	-	0.00	0.00	0.90	0.00	-
Calistoga	42.09	T	0.00	T	2.24	7.20	16.19	9.24	1.29	1.04	4.82	0.07	T	T	0.59	0.00	42.68
Carneros Valley	33.83	0.04	0.02	0.00	2.36	5.73	10.84	6.81	1.39	2.01	4.50	0.13	0.00	0.00	3.16	0.00	36.93
Collinsville	-	-	-	-	1.16	1.87	3.60	1.87	-	-	-	-	-	-	-	-	-
Denverton 1 S	16.12	0.00	0.00	T	1.82	2.88	4.08	2.97	0.82	1.02	2.41	0.12	0.00	0.00	0.22	0.00	16.34
Duttons Landing	18.96	T	0.04	0.00	1.71	2.92	4.55	4.33	1.03	1.36	2.62	0.00	0.00	0.00	0.93	0.00	19.45
Fairfield	19.78	0.04	0.03	0.00	1.90	3.05	5.47	4.00	0.85	1.52	2.79	0.13	0.00	0.00	0.20	0.00	19.91
Fairfield Police Station	19.88	0.04	0.05	0.00	2.23	2.85	5.01	4.34	0.95	1.35	2.94	0.12	0.00	0.00	0.43	0.00	20.22
Green Valley	31.63	0.03	0.02	0.00	2.55	4.07	11.55	6.34	1.15	2.34	3.58	0.00	0.00	-	-	-	-
Lake Curry	27.08	0.03	0.00	0.00	1.97	3.84	8.88	6.23	0.88	1.56	3.57	0.12	0.00	-	-	-	-
Mare Island Navy	19.98	0.00	0.04	0.00	1.75	2.97	5.51	4.46	0.59	1.85	2.81	0.00	0.00	0.00	0.36	0.00	20.30
Napa	26.24	0.10	0.04	0.00	1.54	3.40	10.86	5.02	0.97	1.23	3.08	0.00	0.00	0.04	1.10	0.00	27.24
Napa State Hospital	23.89	0.10	0.06	0.00	1.48	3.37	7.93	5.18	0.80	1.68	3.29	T	0.00	0.04	0.85	0.00	24.62
Oakville 1 WNW	-	0.05E	0.02E	0.00	2.34	7.02	10.22	9.31	1.26	-	-	-	-	-	-	-	-

TABLE A-2
PRECIPITATION DATA

TABLE A-2

PRECIPITATION DATA

STATION NAME	Precipitation in Inches																
	TOTAL July 1 To June 30	1964						1965									TOTAL Oct. 1 To Sept 30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
	HYDROGRAPHIC AREA E (San Francisco Bay Area)																
NAPA-SOLANO (E3)																	
Saint Helena	40.04	0.04	T	0.00	2.18	6.81	14.22	9.63	1.24	1.33	4.59	T	T	0.02	0.82	T	40.84
Saint Helena 4 WSW	52.30	0.02	0.00	0.00	2.61	9.53	18.21	9.18	1.72	2.90	8.10	0.00	0.00	0.00	0.60	0.00	52.90
Veterans Home	-	0.00	0.03	0.00	2.34	5.82	14.56	9.54	0.99	1.50	4.42	-	0.00	0.03	0.83	0.00	-
Wild Horse Valley	35.47	0.06	0.00	0.00	3.49	4.32	14.94	6.71	0.78	1.51	2.72	0.94	0.00	-	-	-	-
Yountville Gamble	28.29	0.03	0.03	0.00	0.13	6.54	8.65	6.56	1.12	1.28	3.89	0.06	0.00	0.11	0.55	T	28.89
EAST BAY (E4)																	
Alamo 1 N	26.05	T	0.03	0.00	1.18	4.02	9.60	5.77	0.68	1.54	3.23	T	T	0.05	0.20	0.00	26.27
Berkeley	24.49	T	0.01	0.00	1.28	3.63	8.27	4.53	0.88	2.10	3.79	0.00	0.00	0.02	0.18	T	24.68
Burton Ranch	28.20	T	0.01	0.00	1.04	3.64	10.47	5.99	0.85	1.74	4.46	T	0.00	0.03	0.05	T	28.27
Concord 3 E	16.78	0.00	0.18	0.02	0.04	4.12	3.19	3.86	0.06	1.12	0.49	0.22	0.40	0.00	0.03	0.00	16.61
Crockett	20.92	0.00	0.02	0.00	1.55	2.35	5.86	5.24	0.93	1.79	3.18	0.00	0.00	0.00	0.39	0.00	21.29
Hayward 6 ESE	29.69	0.04	0.11	0.00	1.27	4.75	10.89	4.65	1.09	3.50	3.39	0.00	0.00	0.00	0.11	0.01	29.66
Lafayette 2 NNE	27.87	0.00	0.02	0.00	1.00	3.93	10.12	5.94	0.92	1.82	4.12	0.00	0.00	T	0.06	0.00	27.91
Martinez 3 S	22.05	0.00	0.00	0.00	1.01	3.37	7.32	4.52	0.75	1.79	3.29	0.00	0.00	0.00	0.10	0.00	22.15
Martinez 3 SSE	23.56	0.00	0.02	0.00	1.10	3.48	8.01	4.84	0.74	1.76	3.58	0.03	0.00	T	0.14	0.00	23.68
Martinez Fire Station	20.72	T	T	0.00	1.11	3.27	6.70	4.01	0.80	1.56	3.27	0.00	0.00	T	0.16	T	20.88
Mount Diablo North Gate	26.55	0.02	0.14	0.00	1.52	4.03	9.13	4.20	0.83	2.23	4.45	T	0.00	0.00	T	0.02	26.41
Oakland City Hall	19.04	T	0.00	0.01	1.37	3.48	4.76	4.03	0.98	1.40	3.01	0.00	0.00	T	0.00	0.00	19.03
Oakland 39th Avenue	28.02	0.10	0.05	0.00	1.38	4.18	8.66	5.58	1.15	2.55	4.37	0.00	0.00	0.00	0.10	0.02	27.99
Oakland WB AP	18.32	0.03	0.03	0.00	1.46	3.23	5.31	2.95	0.82	1.95	2.54	T	T	0.01	0.06	T	18.33
Port Chicago Naval Depot	15.90	0.00	0.02	0.00	1.18	2.55	4.95	2.56	0.47	1.07	3.10	T	0.00	0.00	0.17	T	16.05
Richmond	23.49	T	0.01	0.00	1.60	4.10	6.93	4.53	1.24	1.61	3.47	0.00	0.00	0.00	0.36	0.00	23.84
Saint Mary's College	33.97	0.08	T	0.00	1.19	5.44	11.84	7.11	1.08	2.56	4.67	0.00	T	0.04	0.07	T	34.00
Upper San Leandro Filters	25.03	0.03	0.05	0.00	1.35	4.21	7.52	4.86	0.98	2.04	3.99	T	0.00	0.02	0.10	T	25.07
Walnut School	24.27	0.00	0.00	0.00	1.01	3.39	8.88	4.58	0.80	1.64	3.96	0.01	0.00	T	0.00	T	24.27
Walnut Creek 2 ESE	22.13	0.00	0.03	0.00	1.02	3.33	7.97	4.63	0.66	1.34	3.19	0.00	0.00	0.03	0.18	0.00	22.35
Walnut Creek 2 ENE	19.97	0.00	0.00	0.00	0.96	2.90	7.16	4.11	0.56	1.45	2.83	0.00	0.00	0.00	0.17	0.00	20.14
Walnut Creek 4 E	18.43	T	0.01	0.00	1.18	2.63	6.25	3.47	0.57	1.47	2.85	T	0.00	0.01	0.20	0.00	18.63
ALAMEDA CREEK (E5)																	
Calaveras Reservoir	24.03	0.00	0.04	0.05	0.23	3.57	9.93	3.15	0.92	2.34	3.80	0.00	0.00	0.00	0.35	0.00	24.29
Gerber Ranch	22.04	0.00	0.08	0.15	1.27	3.06	7.15	3.37	0.83	1.92	4.20	0.01	0.00	T	0.65	0.00	22.46
Livermore Sewage Plant	15.24	0.00	0.21	0.00	1.04	2.66	4.71	2.72	0.55	1.97	1.39	0.00	0.00	0.00	0.24	0.02	15.30
Livermore 2 SSW	14.32	T	0.12	0.04	0.85	2.44	4.91	2.11	0.59	1.73	1.53	0.00	0.00	T	0.21	T	14.37
Mount Hamilton	28.46E	1	0.12	0.00	0.83	4.64	11.51E	2.78	1.24	2.49	4.82	0.00	0.03	T	1	0.00	28.34E

TABLE A-2
PRECIPITATION DATA

STATION NAME	Precipitation in Inches															
	TOTAL July 1 To June 30	1964						1965								TOTAL Oct.1 To Sept.30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
	HYDROGRAPHIC AREA E (San Francisco Bay Area)																
ALAMEDA CREEK (E5)																	
Newark	12.25	0.00	0.09	0.00	0.67	1.99	4.23	1.45	0.50	1.55	1.77	0.00	0.00	0.00	0.18	0.00	12.34
Niles-Pinna	21.21	0.00	0.23	0.00	1.10	3.73	7.08	2.93	0.84	2.60	2.70	0.00	0.00	0.00	0.10	0.00	21.31
Pleasanton Nursery	23.37	0.00	0.06	0.00	1.03	3.82	8.10	4.21	0.77	2.24	3.14	0.00	0.00	0.08	0.10	0.00	23.49
SANTA CLARA VALLEY (E6)																	
Alamitos Percolation Pond	15.49	0.00	0.12	0.01	0.85	2.62	4.86	2.55	0.58	1.67	2.23	T	0.00	0.00	0.11	0.00	15.47
Almaden Reservoir	35.47	0.00	0.11	0.00	1.45	5.17	11.19	7.96	1.13	2.11	6.35	0.00	0.00	T	0.33	0.00	35.69
Berryessa 1 E	16.60	0.00	0.10	0.00	1.20	3.43	5.80	2.47	0.45	1.85	1.30	0.00	0.00	RE			-
Black Mountain 2 SW	43.49	0.04	0.09	T	1.26	7.83	16.58	8.53	1.40	3.01	4.62	0.08	0.05	0.00	0.07	0.08	43.51
Calero Reservoir	22.30	0.00	0.10	0.00	1.09	3.01	6.96	4.72	0.77	2.18	3.47	0.00	0.00	T	0.20	0.00	22.40
Cambrian Park	17.36	0.00	0.15	0.02	1.04	3.68	5.40	2.72	0.72	1.20	2.43	0.00	0.00	T	0.15	0.00	17.34
Campbell Water Company	15.81	T	0.16	0.00	1.01	2.89	5.09	2.65	0.40	1.35	2.26	0.00	0.00	0.00	0.03	T	15.68
Coyote Reservoir	22.81	T	0.06	0.07	1.31	3.45	7.90	4.04	0.75	1.94	3.29	T	T	0.78	0.02	0.19	23.67
Evergreen	15.59	0.00	0.08	0.00	0.86	2.21	4.38	2.76	0.67	1.27	3.36	0.00	0.00	T	0.30	0.00	15.81
Gilroy 8 NE	21.35	0.00	0.15	0.00	1.25	2.96	8.18	3.58	0.75	1.86	2.58	0.00	0.04	0.00	0.31	0.00	21.51
Guadalupe Reservoir	29.86	0.00	0.15	0.01	1.39	4.34	10.15	6.63	0.93	1.46	4.80	0.00	0.00	T	0.12	0.00	29.82
Leroy Anderson Dam	19.94	0.00	0.16	0.00	1.32	2.61	5.66	4.35	0.63	1.67	3.54	0.00	0.00	T	0.50	0.17	20.28
Lexington Reservoir	40.18	0.00	0.22	0.01	2.32	7.11	15.24	3.07	1.36	3.08	7.77	0.00	0.00	0.00	0.20	0.00	40.15
Los Gatos	24.41	0.00	0.18	0.00	1.26	4.55	7.71	4.68	0.85	1.82	3.36	T	T	0.00	0.12	0.00	24.35
Los Gatos	-	0.00	0.10	0.00	1.10	-	5.61	3.43	0.81	1.51	2.94	0.00	0.00	T	0.21	0.00	-
Los Gatos 4 SW	57.07	0.00	0.23	0.00	2.92	9.70	18.18	12.67	2.10	3.78	7.39	0.00	0.10	T	0.08	0.00	56.92
Morgan Hill 2 E	20.53	0.00	0.14	0.01	1.12	2.57	6.28	4.45	0.67	1.78	3.51	0.00	0.00	T	0.50	0.00	20.88
Morgan Hill 6 WNW	-	0.00	0.10	0.00	1.32	3.56	8.48	6.26	1.01	-	4.03	0.00	0.00	0.00	-	0.00	-
Palo Alto City Hall	16.29	T	0.12	0.00	0.80	2.93	5.29	2.33	0.77	1.58	2.47	0.00	0.00	T	0.01	0.01	16.19
Penitencia Rain Gage	19.13	0.00	0.00	0.09	1.00	3.44	6.82	2.55	0.70	1.75	2.78	0.00	0.00	T	0.43	0.00	19.47
Redwood City	21.77	T	0.08	0.00	1.30	3.59	6.63	3.88	1.08	1.96	3.25	0.00	T	0.00	0.07	0.01	21.77
San Jose	15.03	T	0.10	0.00	0.96	2.69	5.00	2.13	0.48	1.74	1.93	0.00	0.00	T	0.16	T	15.09
San Jose Decid. F. F. S.	14.20	0.00	0.13	0.00	0.72	2.73	4.60	1.94	0.39	1.41	2.28	0.00	0.00	0.00	0.06	0.00	14.13
Santa Clara University	14.13	T	0.18	0.00	1.10	2.47	4.50	1.62	0.48	1.63	2.15	0.00	T	T	0.07	0.00	14.02
Saratoga-Clark	21.34	0.00	1.17	0.00	1.32	4.25	6.46	4.02	0.77	1.55	2.80	0.00	0.00	T	0.10	0.00	21.27
Saratoga Gap Maintenance	63.37	0.00	0.14	0.00	2.32	11.85	22.20	12.36	2.21	3.39	8.80	0.00	0.00	0.00	0.19	0.12	63.54
Saratoga-Kriege	-	0.00	0.20	0.00	-	4.72	6.89	4.25	0.84	1.81	3.42	0.00	0.00	T	-	0.00	-
Searsville Lake	34.74	T	0.05	0.00	1.06	5.52	12.30	5.97	1.50	2.37	5.97	0.00	0.00	T	0.03	0.03	34.75
Stevens Creek Reservoir	36.00	0.00	0.14	0.02	1.19	7.36	11.33	7.08	1.09	2.13	5.66	0.00	0.00	T	0.00	0.00	35.84
Vasona Reservoir	22.84	0.00	0.18	0.00	1.22	4.28	7.13	3.76	0.93	1.98	3.36	0.00	0.00	T	0.12	0.00	22.78

TABLE A-2
PRECIPITATION DATA

TABLE A-2

PRECIPITATION DATA

STATION NAME	Precipitation in Inches																
	TOTAL July 1 To June 30	1964						1965									TOTAL Oct.1 To Sept.30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
		HYDROGRAPHIC AREA E (San Francisco Bay Area)															
SANTA CLARA VALLEY (E6)																	
Wrights	55.18	0.00	0.28	0.00	2.95	7.61	21.16	11.05	2.00	3.41	6.59	0.00	0.13	0.00	0.19	0.00	55.09
BAYSIDE-SAN MATEO (E7)																	
Burlingame	22.03	0.00	0.02	0.00	1.18	3.40	6.01	4.49	1.01	1.92	4.00	0.00	0.00	0.00	0.23	0.00	22.24
San Francisco WB AP	20.52	T	0.01	T	1.26	3.32	5.42	4.37	0.91	1.76	3.47	T	T	T	0.29	T	20.80
San Francisco Fed. Off. Bldg.	22.29	T	0.01	T	1.90	3.99	5.35	3.97	0.94	2.92	3.21	T	T	0.02	0.49	T	22.79
San Mateo	18.36	0.00	0.08	0.00	0.89	2.92	5.65	3.23	0.47	1.88	3.24	0.00	0.00	0.00	0.16	0.00	18.44
COAST-SAN MATEO (E8)																	
Half Moon Bay	25.17	0.00	T	T	1.89	3.11	7.50	4.41	1.40	1.58	5.22	T	0.06	T	0.23	T	25.40
La Honda	34.84	0.30	0.10	0.00	1.11	6.24	10.34	6.09	1.46	3.58	5.43	0.00	0.19	0.00	0.18	0.04	34.66
Portola State Park	51.14	0.01	0.07	0.00	1.62	7.88	17.29	11.21	1.87	3.46	7.59	0.09	0.05	0.03	0.08	0.03	51.20
San Francisco Richmond Sunset	22.38	0.06	T	0.00	1.58	3.75	5.25	4.49	0.96	2.71	3.57	T	0.01	T	1.20	0.00	23.52
San Gregorio 3 SE	28.71	0.15	0.09	T	1.18	4.57	8.44	5.35	1.27	2.99	4.48	0.03	0.16	0.02	0.25	0.03	28.77

TABLE A-2
PRECIPITATION DATA

STATION NAME	Precipitation in Inches																
	TOTAL July 1 To June 30	1964						1965									TOTAL Oct. 1 To Sept 30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
		HYDROGRAPHIC AREA F (North Coastal Area)															
MENDOCINO COAST (F8)																	
Boonville HMS	49.04	T	0.02	0.00	2.38	8.80	18.53	9.44	0.84	2.48	6.50	0.01	0.04	0.00	0.38	0.00	49.40
Boonville-Farrer	54.08	T	0.01	0.00	4.13	10.07	18.42	10.05	2.32	2.31	6.77	0.00	T	0.07	0.64	0.00	54.78
Cloverdale 11 W	-	0.00	0.00	0.00	4.79	12.52E	26.54E	15.17	-	-	9.53	0.00	0.00	0.00	0.45	0.00	-
Fort Bragg	41.52	0.18	0.07	0.06	2.57	9.63	14.58	5.27	1.87	2.06	4.96	0.13	0.14	0.11	0.24	0.14	41.70
Fort Bragg Aviation	39.01E	0.13	0.00	0.00	3.03	9.27	13.66	3.88	1.65	2.45	4.75	0.08	0.11E	0.08	0.24E	0.04	39.24E
Fort Ross	38.41	0.03	T	0.00	4.45	7.91	9.07	6.05	1.68	2.71	6.38	0.05	0.08	0.16	0.38	0.06	38.98
Navarro 1 NW	46.41	0.00	0.00	0.00	2.47	9.70	17.63	8.00	1.39	1.68	5.44	0.00	0.10	0.00	0.45	0.00	46.86
Philo 2 NW	48.99	0.00	0.00	0.00	2.79	9.62	18.21	8.60	1.56	1.72	6.49	0.00	0.00	0.06	0.44	0.00	49.49
Philo 4 NW	48.71	0.00	0.00	0.00	2.73	10.16	17.27	9.56	1.49	1.71	5.73	0.00	0.06	0.09	0.33	0.00	49.13
Point Arena	42.25	0.08	0.00	0.00	4.06	9.14	10.87	6.98	1.83	2.46	6.59	0.04	0.20	0.23	0.27	0.11	42.78
Skaggs Spr. Las Lomas Ranch	81.80	0.00	0.00	0.00	6.65	14.18	27.32	15.75	2.62	3.81	11.42	0.00	0.05	0.02	0.60	0.00	82.42
Yorkville	61.19E	0.02	0.00	0.00	4.16	10.18	21.84E	11.38	2.02	2.58	9.01	0.00	0.00	0.03	0.47	0.00	61.67E
RUSSIAN RIVER (F9)																	
Alpine Dam	58.80	0.00	0.00	0.00	3.93	9.76	17.11	10.90	3.35	5.10	8.65	0.00	0.00	0.00	0.46	0.00	59.26
Blakes Landing	31.20	0.00	0.00	0.00	3.40	5.74	5.95	7.61	1.44	1.90	5.16	0.00	0.00	0.00	0.35	0.00	31.55
Bon Tempe Dam	37.72	0.00	0.00	0.00	4.05	6.48	11.73	8.27	2.77	4.42	0.00	0.00	0.00	0.00	0.42	0.00	38.14
Cazadero	75.08	0.02	T	0.00	6.79	13.94	23.44	13.08	3.13	5.04	9.64	0.00	T	0.02	0.35	T	75.43
Cloverdale 3 SSE	55.59	0.05	0.00	0.00	4.57	10.21	17.98	11.15	1.77	1.95	7.91	0.00	T	0.03	0.50	0.00	56.07
Coyote Dam	46.07	0.16	0.00	0.00	1.92	9.85	18.97	8.05	*	2.80	4.29	0.00	0.03	0.00	0.62	0.00	46.53
Graton	42.21	0.17	0.03	0.00	3.84	7.85	11.53	9.93	1.81	1.72	5.29	0.02	0.02	0.02	0.32	0.00	42.35
Graton 1 W	43.69	0.20	0.02	0.00	4.22	8.47	11.71	9.68	1.88	2.38	5.13	0.00	T	0.01	0.45	0.00	43.93
Guerneville	53.58	0.04	T	0.00	4.46	10.38	14.53	11.00	2.47	2.68	8.02	T	T	T	0.40	0.00	53.94
Healdsburg	47.47	0.03	0.00	T	3.50	9.14	15.07	10.64	1.94	1.58	5.75	T	0.00	0.04	0.49	0.00	47.97
Healdsburg No. 2	48.41	0.06	0.00	0.00	4.40	8.18	15.54	10.53	1.92	1.56	6.22	0.00	0.00	0.04	0.52	0.00	48.91
Hopland Largo Station	45.40	0.11	0.00	0.00	2.73	8.80	16.20	8.91	1.33	1.73	5.59	0.00	0.00	0.02	0.55	T	45.86
Inverness-Mery	39.12	0.00	0.00	0.00	3.95	7.25	9.65	8.22	1.80	2.45	5.80	0.00	0.00	0.00	0.50	0.00	39.62
Kellogg	65.02	0.05	T	0.09	2.35	10.95	26.82	13.37	1.80	2.02	7.46	0.06	0.05	T	0.74	0.01	65.63
Kent Lake	58.10	0.00	0.05	0.00	5.03	9.27	16.73	11.20	3.09	4.66	8.05	0.02	0.00	0.00	0.54	0.00	58.64
Knights Valley	45.75E	0.02	0.00	T	2.34	7.89	16.83	10.53	1.41	1.34	5.35	0.02	0.02E	0.01E	0.60E	T	45.75E
Lagunitas Lake	58.35	0.00	0.00	0.00	4.95	9.01	16.79	12.02	3.18	5.08	7.32	0.00	0.00	0.00	0.65	0.00	59.00
Mt. Tamalpais 2 SW	46.45	0.00	0.05	0.00	4.39	7.88	13.04	7.30	2.45	4.10	7.05	0.05	0.14	0.00	0.68	0.00	47.05
Nicasio	34.53	0.00	0.04	0.00	3.08	6.42	8.59	6.83	1.82	2.28	5.46	0.01	0.00	0.00	0.33	0.00	34.82
Novato 8 WNW	28.28	0.00	0.00	0.00	3.17	5.41	6.97	5.01	1.51	2.31	3.90	0.00	0.00	0.00	0.34	0.00	28.62

TABLE A-2

PRECIPITATION DATA

STATION NAME	Precipitation in Inches															
	TOTAL July 1 To June 30	1964						1965								TOTAL Oct. 1 To Sept 30
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
		HYDROGRAPHIC AREA F (North Coastal Area)															
RUSSIAN RIVER (F9)																	
Occidental	56.17	0.02	0.04	0.00	4.65	11.24	15.33	11.35	2.80	3.23	7.49	0.02	0.00	0.00	0.58	0.00	56.69
Potter Valley 3 SE	-	0.05	0.00	0.00	1.51E	8.99	17.61E	6.78	1.10	-	3.74	0.00	0.00	0.00	0.56	0.00	-
Potter Valley P. H.	56.76	0.05	0.00	0.00	1.61	11.06	26.12	9.82	1.54	1.76	4.74	0.00	0.06	0.00	0.66	0.00	57.37
Redwood Valley	-	0.10	0.00	0.00	2.01	9.73	17.37E	9.25	1.30	-	3.53	0.00	0.00	0.05	0.54	0.00	-
Santa Rosa Sewage Plant	27.98	0.00	0.01	0.00	2.72	5.31	7.00	5.77	1.27	1.03	4.87	T	0.00	0.03	0.51	0.00	28.51
Santa Rosa	30.97	T	0.02	0.00	2.31	6.12	8.64	6.63	1.24	0.97	5.04	T	0.00	0.01	0.50	0.00	31.46
Santa Rosa Pedranzini	-	0.04	0.02	0.00	0.30	7.08	5.68	RE									-
Sebastopol 4 SSE	-	0.10	0.00	0.00	2.90	7.40E	8.60	-	-	1.80	4.60	0.00	0.00	0.00	0.40	0.00	-
The Geysers	-	0.00	0.00	0.12	3.60	11.33	24.46E	-	1.65	2.75	10.79	0.00	0.00	0.03	0.46	0.00	-
Ukiah	50.61	0.14	0.00	0.00	1.97	10.25	21.05	9.27	1.32	1.67	4.90	0.01	0.03	0.02	0.57	T	51.06
Ukiah 4 WSW	68.41	0.04	0.05	0.00	2.18	15.29	28.06	11.47	1.79	2.28	7.12	0.01	0.12	0.01	0.52	T	68.85
Venado	69.64E	0.02	0.00	0.00	5.46	11.74	24.28E	13.74	2.37	2.84	9.19	0.00	0.00	0.00	-	0.00	-
Woodacre	46.31	T	0.04	0.00	3.96	6.62	14.68	9.83	2.29	3.44	5.45	0.00	T	T	0.48	0.00	46.75

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept. 30
HYDROGRAPHIC AREA D (Central Coastal Area)																		
[illegible] (D5)	Max.	[illegible]	93	95	96	91	87	86	87	74	73	84	84	91	88	90	88	91
	Min	37	41	45	40	32	28	31	27	32	38	35	40	42	49	53	45	27
Fort Ord	Avg. Max.	69.1	83.1	82.4	79.5	76.4	58.1	57.0	56.7	64.3	62.0	65.1	73.2	69.5	79.2	80.7	74.1	68.2
	Avg. Min.	49.4	49.4	48.0	47.3	47.0	40.3	42.8	39.9	41.1	43.3	48.1	47.1	51.2	52.9	55.2	52.0	46.7
	Avg.	57.3	66.3	65.2	63.4	61.7	49.2	49.9	48.3	52.7	52.7	56.6	60.2	60.4	66.1	68.0	63.1	57.5
	Max.	94	1[illegible]	[illegible]	[illegible]	91	67	61	70	67	67	78	M	64	68	78	70	94
	Min	34	46	48	45	45	39	39	34	38	42	39	40	43	46	50	47	34
Davenport	Avg. Max.	61.6	77.7	83.5	66.2	67.3	60.0	57.2	57.3	58.1	56.6	59.1	57.1	59.0	61.7	66.5	64.4	60.4
	Avg. Min	47.5	50.1	51.7	50.4	51.9	46.3	46.9	45.6	44.3	45.6	47.0	45.1	49.1	50.4	53.5	51.5	48.1
	Avg	54.7	63.9	67.6	58.3	59.6	53.2	52.1	51.5	51.2	51.1	53.1	51.1	54.1	56.1	60.0	58.0	54.3
	Max.	100	89	89	96	100	78	67	75	76	78	82	79	83	83	98	89	98
	Min.	27	41	42	40	40	28	28	27	30	34	33	36	41	40	48	40	27
Santa Cruz	Avg. Max.	66.7	78.0	76.3	77.2	76.4	63.6	59.8	60.6	63.8	63.4	66.2	69.8	69.2	74.7	79.7	75.8	68.6
	Avg. Min.	44.3	49.1	49.7	47.1	47.9	40.4	42.2	39.4	38.5	41.5	44.8	43.3	48.1	50.4	52.6	48.5	44.8
	Avg	55.5	63.7	63.0	62.2	62.2	52.0	51.0	50.0	51.2	52.5	55.5	56.6	58.7	62.6	66.2	62.2	56.7
PAJARO-SAN BENITO RIVERS (D1)	Max.	105	103	103	105	96	75	67	70	75	81	90	80	94	95	96	92	98
	Min.	25	42	39	42	40	25	26	25	28	31	35	37	44	47	51	41	25
Gilroy	Avg. Max.	78.4	88.4	88.3	83.2	82.2	63.1	59.4	58.5	64.0	65.6	68.8	76.6	76.1	85.3	88.4	80.7	72.4
	Avg. Min.	43.8	50.4	51.0	47.6	47.4	39.3	40.2	35.6	36.4	40.4	44.6	43.7	48.9	52.6	55.3	49.2	44.5
	Avg	61.4	69.4	69.7	65.4	64.8	51.2	49.8	47.1	50.2	53.0	56.7	60.2	62.5	69.0	71.9	65.0	58.5
	Max.	103	96	98	102	97	75	71	71	80	80	90	85	86	89	96	93	97
	Min.	23	43	43	40	40	25	26	23	27	33	34	34	40	42	45	39	23
Hollister	Avg. Max.	M	80.5	81.7M	81.0	81.5	64.0	60.5	61.0	66.2	67.0M	69.7	71.7	69.6M	77.7	83.2	78.2	70.9
	Avg. Min.	M	49.1	48.8M	M	46.7	35.6	41.3	36.6	35.1	41.9M	45.2	41.7	47.0M	48.9	52.8	45.1	43.4
	Avg.	M	64.8	65.3M	M	64.1	51.3	50.9	48.8	50.7	54.5M	57.5	56.7	58.3M	63.3	68.0	61.7	57.2
	Max.	101	101	98	101	98	76	68	71	79	74	85	92	88	95	93	90	98
	Min.	18	35	37	32	33	19	20	18	20	23	27	26	36	39	42	33	18
Quien Sabe - Hay Camp	Avg. Max.	68.9	86.6	84.1	77.4	78.2	59.7	58.6	54.2	61.8	60.6	66.1	70.8	73.7	84.5	86.1	77.9	68.9
	Avg. Min.	44.3	47.3	47.3	46.8	41.9	34.2	38.4	33.6	30.4	37.2	39.9	36.8	43.9	46.9	50.0	40.7	39.5
	Avg	56.1	66.9	65.7	60.4	60.4	47.0	48.5	43.9	46.1	48.9	53.0	53.8	58.8	65.7	68.1	59.3	54.2

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept. 30
		HYDROGRAPHIC AREA D (Central Coastal Area)																
PAJARO-SAN BENITO RIVERS (DC)	Max.	97	83	80	91	97	72	67	76	75	80	85	75	75	75	92	83	97
	Min.	25	45	43	40	41	29	32	28	31	35	35	36	42	45	49	42	25
Watsonville Water Works	Avg. Max.	65.7	70.0	70.3	71.6	73.7	63.3	59.7	64.0	64.2	62.1	65.2	66.1	64.5	68.4	73.4	76.0	66.7
	Avg. Min	45.3	50.3	50.5	47.3	48.1	41.3	43.6	40.4	39.6	41.9	46.1	45.6	49.0	51.6	53.1	41.7	45.9
	Avg.	55.5	60.2	60.4	59.5	60.9	52.3	51.7	50.2	50.9	52.0	55.7	55.9	56.8	60.0	63.1	59.1	56.3
LOWER SALINAS RIVER (DC)	Max	97	97	94	89	90	78	66	78	82	78	88	88	94	102	102	91	102
	Min.	23	42	36	31	34	28	28	23	29	35	38	38	38	45	45	42	23
[illegible] Peak Stage Plant	Avg. Max.	66.5	83.5	79.4	72.8	72.8	58.1	51.6	57.7	61.1	58.4	62.1	67.7	73.1	88.3	87.0	78.2	68.1
	Avg. Min.	47.7	60.6	57.6	48.2	52.4	41.3	43.0	42.5	42.1	43.5	48.0	45.5	47.1	60.2	60.7	56.1	47.7
	Avg	57.1	72.2	68.5	60.5	62.6	49.7	47.3	50.1	51.6	51.0	55.1	56.8	60.1	74.2	74.0	67.2	57.9
[illegible]	Max.	104	101	95	104	98	78	70	75	82	83	93	89	92	93	98	92	98
	Min.	24	46	M	40	39	25	24	25	24	32	33	35	40	44	46	39	24
	Avg. Max.	M	M	83.6M	83.7M	82.3	65.6M	62.5	62.5	67.8	67.8	72.1	77.1M	77.0	81.9	84.5	80.[illegible]	[illegible]
	Avg. Min	M	M	M	46.3M	46.4	39.8M	42.9	38.6	35.8	39.9	43.8	43.4M	48.4	51.3	53.7	47.[illegible]	44.[illegible]
	Avg	M	M	M	65.0M	64.4	52.7M	52.7	50.6	51.8	53.9	58.0	60.3M	62.7	66.6	69.[illegible]	[illegible]	[illegible]
[illegible]	Max.	95	84	81	95	91	68	67	73	73	76	81	73	74	72	83	84	91
	Min.	33	48	48	48	46	35	35	33	30	42	39	42	46	46	50	48	33
Monterey	Avg. Max.	62.9	66.3	66.2	69.3	70.8	61.4	58.5	59.7	59.9	59.4	62.1	59.5	62.0	64.2	70.0	69.0	63.1
	Avg. Min.	46.1	51.6	52.2	51.7	52.8	45.6	46.7	44.9	43.6	45.5	47.1	46.4	49.4	51.3	54.0	53.1	61.2
	Avg	55.0	59.0	59.2	60.5	61.8	53.5	52.6	52.3	51.8	52.5	54.6	53.0	55.7	57.5	62.0	61.[illegible]	[illegible]
[illegible]	Max.	105	105	102	104	101	78	71	77	82	80	89	94	94	101	106	98	103
	Min.	20	42	42	38	38	21	24	20	24	30	27	29	38	41	43	28	20
[illegible] Department	Avg. Max.	76.1	85.5	85.1	84.2	86.1	63.4	59.7	62.0	67.0	65.5	67.8	79.2	82.0	94.1	94.7	85.5	76.7
	Avg. Min.	41.2	50.6	50.2	44.4	45.9	35.5	38.2	35.9	33.3	37.2	39.2	39.7	43.4	48.3	51.6	44.7	41.1
	Avg	58.7	68.2	67.7	64.3	66.0	49.5	49.0	49.0	50.2	51.4	53.6	59.5	62.2	71.2	73.[illegible]	[illegible]	58.4
[illegible]	Max.	103	103	101	99	96	76	67	75	73	74	84	91	91	97	103	94	103
	Min.	16	36	40	30	30	17	16	19	19	22	26	23	32	40	32	30	16
[illegible]	Avg. Max.	71.3	73.7	73.1	76.2	76.1	59.0	55.6	58.8	61.9	60.2	64.0	75.1	80.2	88.1	93.0	85.[illegible]	71.[illegible]
	Avg. Min	47.6	49.0	49.0	45.7	48.7	38.1	34.1	36.9	28.7	32.2	36.4	35.1	41.[illegible]	47.7	48.[illegible]	[illegible]	[illegible]
	Avg	59.[illegible]	61.4	61.1	[illegible]	61.4	48.[illegible]	44.9	44.4	45.3	46.[illegible]	50.[illegible]	55.[illegible]	60.[illegible]	68.[illegible]	70.[illegible]	[illegible]	46.[illegible]

TABLE A-3
TEMPERATURE DATA

			Temperature in Degrees Fahrenheit															
		SEASON July 1 to June 30	1964						1965									SEASON Oct. 1 to Sept. 30
			JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
			HYDROGRAPHIC AREA D (Central Coastal Area)															
	Max.	97	90	84	97	85	75	69	77	76	81	87	79	77	76	80	90	95
	Min.	27	47	45	37	30	29	32	27	29	35	32	38	45	50	50	44	27
	Avg. Max.	69.5	71.2	72.7	74.5	75.4	64.5	60.5	62.5	62.9	63.4	66.6	66.6	67.1	70.0	75.3	7..	67.4
	Avg. Min	40.1	52.0	53.1	49.4	49.7	41.1	44.1	40.3	38.2	42.5	45.9	47.1	51.3	53.0	54.6	51.1	46.6
	Avg.	54.8	61.1	62.9	61.9	62.6	52.7	52.3	51.4	50.6	53.0	56.3	56.9	59.2	61.5	65.0	62.5	57.0
	Max.	1	97	--	96	97	75	68	75	74	80	88	80	77	76	88	91	97
	Min.	29	50	47	40	41	32	33	M	30	34	33	35	44	50	51	45	29
	Avg. Ma	68..	73.4	7..	73.7	75.8	63.6	61.7M	61.8M	62.1	62.6	66.0	65.2	66.1	69.6	73.9	73.9	66.8
	Avg. Min	40.7	54.8	54.9	51.5	51.6	42.2	46.3M	40.8M	37.7	41.8	44.7	46.1	49.9	52.5	55.5	52.4	46.8
	Av.	54..	64..	6..	62.6	63.7	53.9	54.0M	51.3M	49.9	51.9	55.4	55.7	58.0	60.8	64.7	63.2	56.8
	Ma	94	77	7.	90	93	79	64	79	7.	78	M	M	M	M	M	M	M
	Min	28	44	45	43	39	32	34	30	30	35	M	M	M	M	M	M	M
	Avg. Ma.	M	63.9	63.9	66.5	70.5	61.4	55.3	57.3	60.5	60.8	M	M	M	M	M	M	M
	Avg. Min	M	50.7	50.9	49.5	50.3	43.2	42.8	42.3	38.9	42.7	M	M	M	M	M	M	M
		M	57.3	57.6	57.8	60.4	53.3	49.1	49.8	49.7	51.8	M	M	M	M	M	M	M
	Ma.	1..	98	90	100	96	75	68	77	79	81	84	79	79	78	88	91	96
	Min	27	46	46	44	39	27	29	27	28	33	33	37	42	44	47	40	27
	Avg. Ma	69..	74..	7..9	76.9	77..	63.3	61.1	59.8	64.4	63.4	66.2	68.7	69.0	72.8	76.9	74.9	68.1
	Avg. Min	39.	51.	52.5	50.6	50.2	39.2	43.0	39.1	36.5	40.4	43.5	44..	49.8	50.2	55.6	48.1	45.0
	Av.	5..	6..	6..5	6..3	6..0	51.6	52.1	49.5	50.5	51.9	54.9	56.5	59.4	61.5	64.9	61.5	56.6
	Ma	1..	90	1..	M	95	75	68	82	78	73	87	79	75	75	83	90	95
	Min.	27	54	44	M	43	29	30	30	29	27	34	40	42	41	42	40	27
	Av. Ma	M	M	M	M	M	6..5	M	M	M	M	67.7	M	M	M	M	M	M
	Av. Min.	M	M	M	M	M	2..1	M	M	M	M	44..	M	M	M	M	M	M
	Av.	M	M	M	M	M	5..8	M	M	M	M	56..	M	M	M	M	M	M
ATMOSPHERIC RIVER (Pt.)	Ma.	1..	1..	104	1..	9..	8..	74	72	78	80	90	94	94	102	102	90	102
	Min.	1	4..	4..	3	44	34	34	34	34	30	30	32	40	46	50	42	24
	Av. Ma	7..	2..1	2..1	2..	8..	6..5	5..1	5..1	6..5	6..2	70.4	7..9	77.6	8..8	9..2	8..2	74.4
	Av. Min	5..	5..1	5..2	4..4	4..7	3..5	3..6	3..4	3..	4..5	44.4	44.4	47.4	53.4	57.6	47.4	44.1
	Av.	6..	7..	7..	6..	6..1	5..7	5..	4..4	4..9	5..4	57.4	5..2	62.6	71.6	7..3	62.8	59.3

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept. 30
HYDROGRAPHIC AREA D (Central Coastal Area)																		
UPPER SALINAS RIVER (D3)	Max.	104	104	102	97	98	74	66	68	75	76	86	93	98	100	100	93	100
	Min.	24	42	45	41	45	26	26	35	24	29	30	34	38	40	42	41	24
Linn Ranch	Avg. Max.	75.4	75.1	71.8	69.2	80.5	61.8	54.7	57.2	63.3	63.5	66.7	77.9	79.2	90.5	92.7	80.3	76.3
	Avg. Min.	43.9	52.1	54.6	47.5	47.1	40.1	41.0	36.0	32.9	30.9	43.0	44.3	48.4	53.7	58.2	44.5	44.3
	Avg.	59.7	74.1	73.2	68.4	63.8	51.0	48.4	47.6	48.1	47.2	54.9	61.1	63.8	72.1	75.5	62.4	60.3
	Max.	106	106	105	104	100	79	76	72	80	80	89	96	98	103	104	100	104
	Min.	19	43	42	42	42	28	19	28	24	29	32	33	40	43	47	41	19
Nacimiento Dam	Avg. Max.	76.3	96.6	97.9	85.3	86.7	64.0	61.8	56.6	60.2	65.3	68.4	80.6	81.5	94.4	97.6	84.5	82.7
	Avg. Min.	43.2	52.1	51.5	47.0	46.5	38.4	39.6	37.0	34.5	39.9	42.4	41.8	49.6	50.2	54.2	47.2	43.3
	Avg	59.6	74.4	74.7	67.4	67.2	51.3	50.7	47.8	49.4	52.6	55.4	61.	65.6	72.3	75.6	65.8	62.5
	Max.	107	107	103	100	100	80	72	75	79	80	90	94	95	101	101	97	101
	Min.	20	40	41	35	37	20	20	24	23	27	29	32	36	40	46	38	20
Paso Robles	Avg. Max.	75.9	94.8	93.5	87.2	86.7	65.7	61.8	60.8	66.2	65.3	70.5	80.8	78.1	90.8M	94.6	83.7M	75.4
	Avg. Min.	41.6	50.0	49.3	42.6	44.4	35.5	39.5	37.2	32.4	39.6	42.6	41.2	45.1	46.4M	52.4	42.6M	41.8
	Avg.	58.8	72.4	71.4	64.9	65.1	50.6	50.7	49.0	49.3	52.5	56.6	61.0	61.6	68.6M	73.5	63.2M	58.6
	Max.	106	106	105	102	100	79	69	72	76	80	91	96	94	104	102	98	106
	Min.	22	46	44	39	41	33	33	23	22	28	29	34	38	40	48	34	22
Paso Robles FAA Airport	Avg. Max.	75.5	96.1	94.2	86.4	84.5	64.3	60.1	59.3	65.5	66.0	72.1	81.1	79.5	92.5	96.4	85.5	75.4
	Avg. Min.	42.7	52.6	52.6	46.1	46.7	36.7	38.5	36.4	32.4	38.8	42.3	43.1	46.3	51.6	54.8	46.6	42.8
	Avg	59.3	74.4	73.4	66.6	65.6	50.5	49.3	47.9	49.0	52.3	57.2	62.1	62.9	72.1	75.6	66.1	59.1
	Max.	106	106	105	104	104	78	72	74	78	79	87	96	94	101	103	98	105
	Min.	21	32	32	37	35	30	28	21	24	28	28	30	34	41	40	38	21
San Antonio Ranch	Avg. Max.	77.4	96.0	97.2	91.1	87.5	64.6	61.4	61.2	66.8	64.9	68.8	81.7	85.2	96.8	97.5	87.6	77.0
	Avg. Min.	40.3	49.6	47.9	43.0	43.4	36.2	38.2	35.4	31.6	36.2	38.8	37.9	42.2	48.9	51.5	42.4	40.5
	Avg.	58.4	72.8	72.7	67.1	66.5	50.4	49.9	48.4	49.4	51.6	53.3	59.8	63.7	72.9	74.5	64.9	58.8
	Max.	106	106	104	101	100	79	66	74	76	78	86	93	92	103	103	98	103
	Min.	22	39	42	36	40	33	32	25	24	29	31	31	38	42	46	44	22
[illegible]n	Avg. Max.	76.7	94.1	91.1	84.2	83.6	63.5	59.5	59.2	64.8	65.5	69.3	76.6	76.6	85.2	92.1	80.4	74.8
	Avg. Min.	44.8	50.7	51.2	44.5	47.7	36.8	40.1	38.9	33.6	38.5	43.5	41.9	45.7	50.3	53.9	45.3	43.1
	Avg	60.2	71.4	71.	64.4	65.7	50.2	49.8	49.1	49.2	51.9	56.4	59.3	61.2	67.8	73.0	62.9	59.0

TABLE A-3
TEMPERATURE DATA

		Temperature in Degrees Fahrenheit																
STATION NAME		SEASON July 1 to June 30	1964						1965									SEASON Oct. 1 to Sept 30
			JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
			HYDROGRAPHIC AREA D (Central Coastal Area)															
MONTEREY COAST (D4)	Max.	98	88	91	98	98	74	72	80	78	78	88	82	84	79	93	94	98
Carmel Valley	Min.	25	39	39	36	39	27	31	25	29	33	33	33	38	37	41	40	25
	Avg. Max.	69.4	75.3	77.5	77.3	79.8	64.9	61.2	64.3M	64.4	63.0	66.8	68.1	70.0	73.4	79.5	76.4	69.3
	Avg. Min.	43.2	47.6	47.0	47.0	48.2	39.3	42.5	39.9M	37.1	40.3	42.6	40.5	45.9	46.2	49.7	46.4	43.2
	Avg.	56.3	61.5	62.3	62.2	64.0	52.1	51.9	52.1M	50.8	51.7	54.7	54.3	58.0	59.8	64.6	61.4	56.3
Roosevelt Ranch	Max.	90	84	86	90	84	68	73	72	74	73	82	84	78	77	88	81	88
	Min.	38	50	52	50	50	42	40	38	45	44	40	44	45	51	52	53	38
	Avg. Max.	65.5	73.5	73.9	70.5	73.2	61.0	58.8	60.5	61.0	59.7	63.8	66.6	64.0	68.6	77.5	69.0	65.3
	Avg. Min	52.4	57.9	58.4	56.1	60.2	50.1	50.0	47.9	49.2	48.3	50.1	50.8	49.6	54.1	60.8	56.5	52.3
	Avg	59.0	65.7	66.2	63.3	66.7	55.6	54.4	54.2	55.1	54.0	57.0	58.7	56.8	61.4	69.2	62.8	58.8
	Max.																	
	Min.																	
	Avg. Max.																	
	Avg. Min.																	
	Avg																	
	Max.																	
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	Min.																	
	Avg. Max.																	
	Avg. Min.																	
	Avg																	

TABLE A-3

TEMPERATURE DATA

STATION NAME		SEASON July 1 to June 30	1964						1965									SEASON Oct. 1 to Sept. 30
			JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
			HYDROGRAPHIC AREA E (San Francisco Bay Area)															
MARIN-SONOMA (E1)	Max.	100	98	96	100	93	78	66	63	73	77	88	84	[illegible]	85	90	[illegible]	93
	Min.	28	45	47	42	42	31	26	28	32	37	36	39	45	44	47	45	28
Kentfield	Avg. Max.	69.5	83.2	80.8M	74.8	77.6	60.3M	58.1	54.5	61.3M	62.8M	66.2M	72.5M	76.4	76.4	85.0M	76.2M	69.4
	Avg. Min.	45.6	61.3	51.9M	49.3	48.8	43.3	43.1	30.6	30.3M	44.5M	45.2M	44.8M	41.5	40.5	43.0M	47.2M	45.5
	Avg.	57.6	69.5	67.2M	64.7	63.2	51.6M	50.6	42.6	50.3M	53.7M	55.9M	60.3M	61.4	64.4	65.2M	62.2M	57.4
	Max.	104	100	100	104	90	78	64	101	73	77	90	[illegible]	[illegible]	88	93	98	98
	Min.	26	42	42	40	41	35	26	26	30	34	33	37	44	44	44	32	26
Petaluma Fire Station No. 2	Avg. Max.	69.0	88.4	83.1	88.0	79.0	64.3	58.3	55.6	62.7	63.1	66.8	71.5M	76.5	80.2	84.5	77.2	69.4
	Avg. Min.	44.8	50.1	50.4	49.0	48.2	41.5	43.0	29.8	31.5	41.5	45.1	46.4M	48.7	50.5	53.4	47.5	45.3
	Avg.	57.4	66.3	66.8	66.0	63.6	51.4	50.6	47.7	50.1	52.8	55.9	57.2M	60.6	65.4	68.7	64.5	57.4
	Max.	101	97	97	101	94	73	66	64	75	75	91	86	91	86	95	96	101
	Min.	23	47	48	42	46	33	34	29	26	35	33	31	47	42	43	46	23
San Rafael	Avg. Max.	71.0	83.4	83.4	82.5	79.5	61.5	58.9M	57.4M	65.0	64.7	68.6	73.7	73.2	77.2M	84.2M	77.7	71.3
	Avg. Min.	M	56.5	52.7	51.4	52.0	44.3	44.9M	41.0M	41.8	43.9	M	46.0M	50.1	51.3M	54.3M	51.2	M
	Avg.	M	69.7	68.1	67.0	65.8	52.9	51.9M	49.2M	53.4	54.3	M	59.9M	61.6	64.3M	69.1M	64.4	M
	Max.	109	104	100	102	96	76	65	62	76	78	93	84	93	90	92	95	93
	Min.	24	42	43	39	36	24	24	25	30	31	30	36	42	42	44	34	24
Sonoma	Avg. Max.	72.7	88.6	88.5	85.7M	81.0	60.8	58.0	54.7	64.2	65.4	68.6	78.1	77.5	82.5	87.2	80.2	74.2
	Avg. Min.	42.2	43.6	40.1	40.5	44.2	40.4	42.2	38.5	36.4	39.2	42.9	42.2	46.5	47.7	50.3	44.6	43.2
	Avg.	58.0	68.6	68.8	66.1M	63.2	50.6	50.1	46.7	50.7	52.3	56.3	60.2	62.8	67.6	69.1	63.3	57.4
NAPA-SOLANO (E3)	Max.	99	99	99	98	91	85	59	66	69	72	82	81	90	97	94	89	97
	Min.	25	43	44	38	28	28	28	30	32	31	28	31	40	42	42	40	25
Angwin Pacific Union College	Avg. Max.	81.7	89.8	88.0	91.1M	85.2	63.6	58.4	58.5	65.0	67.0	69.3	73.2	74.4	85.1	85.3	76.1	66.5
	Avg. Min.	44.8	53.3	53.1	48.8M	50.2	39.2	40.2	39.2	39.4	39.6	42.9	45.6	46.5	51.9	54.6	48.0	44.8
	Avg.	56.3	70.5	70.6	65.0M	63.1	46.4	45.5	45.4	48.2	48.8	51.6	59.4	60.5	68.5	70.0	62.1	55.8
	Max.	107	107	104	105	97	73	61	68	71	77	94	89	89	97	95	94	97
	Min.	22	40	42	31	33	29	22	22	26	29	28	27	37	41	45	33	22
Calistoga	Avg. Max.	91.6	98.1	91.5	86.0	79.9	58.9	54.3	56.7	66.2	62.5	66.6	76.5	75.4	88.0	89.3	85.5	71.5
	Avg. Min.	41.1	48.0	49.5	47.6	43.0	38.2	40.8	36.6	33.3	37.4	42.8	39.7	44.7	47.6	50.2	44.4	41.7
	Avg.	66.4	73.1	70.5	66.5	61.5	48.4	47.6	46.6	47.8	50.0	54.7	58.3	60.6	67.8	69.8	63.5	56.4

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept 30
HYDROGRAPHIC AREA E (San Francisco Bay Area)																		
NAPA-SOLANO (E[illegible]) Denverton 1 [illegible]	Max.	[illegible]	[illegible]	104	108	[illegible]	65	67	64	69	86	88	93	96	98	97	94	98
	Min.	23	[illegible]	52	48	41	[illegible]	23	25	28	31	36	38	46	50	M	42	23
	Avg. Max.	73.2	[illegible]	[illegible]	86.4	81.6	56.9	58.2	53.3	62.7	[illegible]	68.3	81.7	79.9	88.6	89.6	83.5	72.9
	Avg. Min	46.5	56.3	57.4	53.1	50.3	34.6	40.5	36.9	35.8	41.6	47.5	48.2	50.3	54.4	57.9	50.2	46.1
	Avg.	[illegible]	73.1	74.3	[illegible]	[illegible]	49.3	49.4	45.1	49.3	54.3	57.9	65.0	65.1	71.5	73.8	66.9	59.5
[illegible] Landing	Max	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	64	[illegible]	71	75	88	88	87	84	90	87	92
	Min	[illegible]	43	45	42	[illegible]	31	31	29	34	37	37	38	44	47	50	42	29
	Avg. Max	M	78.6M	[illegible]	[illegible]	77.6M	M	M	55.6M	61.4	62.3	64.6	71.3M	70.3	74.1	78.5M	73.9	M
	Avg. Min	M	52.0M	53.5M	50.0M	47.5M	M	M	39.5M	38.7	[illegible]	45.4	45.7M	49.8	50.8	54.6M	48.4	M
	Avg.	M	65.3M	[illegible]	[illegible]	62.6M	M	M	47.3M	[illegible]	52.1	[illegible]	58.5M	60.1	62.5	66.6M	61.2	M
Fairfield Police Station	Max.	103	103	103	[illegible]	[illegible]	73	65	[illegible]	73	77	89	89	92	97	97	[illegible]	97
	Min.	27	51	[illegible]	48	41	[illegible]	28	27	31	36	36	41	48	50	54	43	27
	Avg. Max.	72.6	88.7	89.3	86.4	81.8	[illegible]	58.3	53.6	63.3	65.1	68.6	78.1	77.0	86.6	87.9	81.3	71.9
	Avg. Min.	47.7	55.8	56.3	53.4	50.4	42.2	43.5	40.1	39.3	43.0	47.1	49.1	51.9	54.3	57.8	51.3	47.5
	Avg.	[illegible]	72.3	[illegible]	[illegible]	66.1	51.6	[illegible]	[illegible]	51.3	54.1	57.9	63.6	64.5	70.5	72.9	66.3	59.7
Mare Island	Max.	[illegible]	95	95	[illegible]	[illegible]	72	69	65	69	76	90	85	91	89	91	86	93
	Min.	35	[illegible]	58	53	53	39	38	35	43	45	43	44	52	55	57	52	35
	Avg. Max.	69.7	82.0	[illegible]	80.4	76.4	[illegible]	[illegible]	52.6	59.9	63.6	68.6	74.0	77.5	80.8	81.9	76.2	[illegible]
	Avg. Min.	[illegible]	59.6	60.9	59.2	57.6	48.4	[illegible]	44.2	[illegible]	48.5	[illegible]	53.8	56.5	58.4	61.4	56.7	52.6
	Avg.	61.3	70.8	71.9	[illegible]	[illegible]	54.1	53.4	[illegible]	[illegible]	56.1	60.3	63.4	[illegible]	69.6	71.7	66.5	60.9
Napa State Hospital	Max.	104	101	[illegible]	104	[illegible]	[illegible]	65	[illegible]	74	[illegible]	91	[illegible]	[illegible]	[illegible]	96	91	96
	Min.	29	46	49	42	40	[illegible]	29	29	32	34	33	37	43	45	50	40	29
	Avg. Max.	[illegible]	83.6	83.2	83.0	79.5	62.0	57.4	55.4	65.1	64.0	68.3	75.6	74.3	80.8	84.1	78.0	70.4
	Avg. Min.	45.9	52.9	53.4	49.7	48.3	42.9	43.5	39.4	38.7	40.7	46.1	45.7	49.1	50.5	54.6	48.3	45.7
	Avg.	[illegible]	68.3	68.3	66.4	63.9	52.5	50.5	47.4	51.9	52.4	57.2	60.7	61.7	65.7	69.4	63.2	58.1
Saint Helen	Max.	106	105	105	[illegible]	98	78	66	65	74	82	91	90	93	[illegible]	98	95	[illegible]
	Min.	25	44	45	[illegible]	38	26	25	25	30	31	30	36	44	43	47	37	25
	Avg. Max.	72.1	90.3	90.2	86.3	82.6	60.9	58.3	55.8	63.8	65.2	67.5	78.3	78.4	87.7	[illegible]	81.3	72.3
	Avg. Min.	44.5	51.8	[illegible]	48.9	46.3	40.6	42.1	37.8	36.0	39.7	44.6	43.9	49.8	50.6	53.5	46.4	44.3
	Avg.	[illegible]	71.1	71.1	67.6	64.5	[illegible]	50.2	46.8	49.9	52.5	56.1	61.1	64.1	69.2	[illegible]	63.9	58.3

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept. 30
HYDROGRAPHIC AREA E (San Francisco Bay Area)																		
NAPA-SOLANO (E3	Max.	1	1	1	1	1	76	66	62	66	7	4	2	1	4	1	5	1
	Min.	2	46	48	42	4	30	30	28	36	34	35	3	48	44	41	4	5
Veterans Home	Avg. Max.	72.6	1	1	3.4	77.8	61.2	58.4	54.8	61.1	66.0	69.3	7	1.5	-5.7	5.7	77.5	73.7
	Avg. Min.	47.	53.6	54.4	50.3	48.3	43.0	44.6	30.6	40.6	42.9	46.7	47.1	50.6	51.5	57.6	47.3	46.8
	Avg.	1	7	7	6	63.1	5	51.	47.	5	5	5	6	7	7	7	6	6
Y	Max.	1	9	6	101	93	7	65	6	6	7	8	8	4	9	2	3	1
	Min	2	38	38	34	31	22	2	25	36	2	2	3	3	3	4	2	2
Y Untville Jamble	Avg. Max.	7	3	3.5	1.7	8	8.7	7.7	54.	1	5	4	74.4	7	1	3.4	7	4
	Avg. Min.	41.5	47.0	46.1	43.0	41.8	40.9	4	37.8	38.5	38.4	40.3	3	46.1	46.6	4	41.3	4
	Avg	55.	65.5	64.8	62.4	6	49.8	49.9	46.0	48.3	6	6	7	6	6	6	6	6
EAST BAY (E4)	Max.	1	101	2	96	0	69	66	62	7	73	8	7	0	8	5	2	3
	Min.	37	46	4	43	40	27	3	2	30	3	33	36	43	43	41	41	3
	Avg. Max.	7	7.5	86.8	80.7	77.3	56.4	57.4	53.6	5	63.1	67.8	7	75.8	4.7	5.8	7	7
	Avg. Min	4	5	54.3	49.4	46.4	4	4	37.7	37.1	4	4	45.2	4	5	3.5	4	4
	Avg.	5	6	7	6	6	4	5	45.4	4	5	5	6	6	6	5	5	5
Berkeley	Max.	1	8	8	9	8	69	6	63	69	73	8	74	77	7	5	8	1
	Min.	3	5	5	5	5	3	3	3	3	4	3	4	4	4	5	4	3
	Avg. Max.	6	6	6	7	6	5	5	5	5	6	6	6	7	6	7	6	6
	Avg. Min.	4	5	5	5	5	4	4	4	4	4	4	4	5	5	5	4	4
	Avg.	5	6	6	6	5	5	5	4	5	5	5	5	6	6	6	5	5
Crockett	Max.	1	1	1	9	3	71	66	59	69	77	1	85	1	4	2	4	5
	Min.	3	5	3	48	47	33	34	30	33	3	3	4	4	51	5	4	3
	Avg. Max.	6	6	4.1	0.4	7	5	5	5	6	6	6	7	7	8	8	7	6
	Avg. Min.	4	5	5	5	4	4	4	4	3	4	4	4	5	5	5	4	4
	Avg.	5	6	6	6	6	5	5	4	5	5	5	5	6	6	6	5	5
Martinez Fire	Max.	1	1	1	1	1	3	66	6	7	7	8	8	1	2	2	5	1
	Min.	2	4	5	4	4	3	3	2	3	3	3	4	4	5	5	4	3
	Avg. Max.	7	7	8	7	7	6	5	5	6	6	6	7	7	8	8	7	6
	Avg. Min	4	5	5	5	4	4	4	4	4	4	4	4	5	5	5	4	4
	Avg.	5	6	6	6	5	5	5	4	5	5	5	5	6	6	6	5	5

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept. 30
HYDROGRAPHIC AREA E (San Francisco Bay Area)																		
EAST BAY (E4)	Max.	104	104	100	100	96	74	69	71	73	74	83	88	91	100	98	93	100
	Min.	28	45	46	44	43	31	28	28	36	36	32	34	41	46	50	41	28
Mount Diablo North Gate	Avg. Max.	69.2	87.9	88.9	81.5	70.8	57.1	53.2	53.3	61.2	58.8	61.0	73.2M	74.6	88.4	89.0	78.2	69.0
	Avg. Min.	47.7	58.8	59.0	54.6	55.8	41.0	41.5	40.8	41.7	40.9	44.5	47.1M	47.0	57.8	60.2	52.3M	47.6
	Avg.	58.5	73.4	74.0	68.1	67.8	49.1	47.4	47.1	51.5	49.9	52.8	60.2M	60.8	73.1	74.6	65.6M	58.3
Oakland City Hall	Max.	94	87	87	94	87	72	63	63	72	75	78	76	80	73	88	87	88
	Min.	36	53	55	54	48	41	40	36	42	46	42	47	51	51	55	50	36
	Avg. Max.	63.8	68.9	70.1	72.3	72.0	59.2	56.2	53.6	60.4	59.9	62.3	65.7	65.1	67.9	72.4	70.6	63.8
	Avg. Min.	52.3	55.3	57.7	58.1	57.2	49.7	49.6	45.8	47.2	50.0	51.4	51.4	53.7	55.8	59.2	56.9	52.3
	Avg	58.1	62.4	63.9	65.2	64.6	54.5	52.9	49.7	53.8	55.0	56.9	58.6	59.4	61.9	65.8	63.8	58.1
Oakland 39th Avenue	Max.	96	93	90	96	91	71	63	67	74	77	80	84	85	85	91	89	91
	Min.	31	50	50	44	45	32	35	31	38	40	36	39	45	47	51	49	31
	Avg. Max.	67.5	77.3	77.9	76.0	75.8	60.7	56.3	56.2	61.8	62.1	65.5	70.8	69.8	75.2	78.8	74.6	67.3
	Avg. Min.	47.1	52.6	53.0	51.5	50.7	42.4	44.5	42.1	42.2	44.6	46.8	45.9	49.0	50.4	53.7	53.6	47.2
	Avg.	57.3	65.0	65.5	63.8	63.3	51.6	50.4	49.2	52.0	53.4	56.2	58.4	59.4	62.8	66.3	64.1	57.3
Oakland WB Airport	Max.	89	84	83	89	85	67	62	64	65	72	79	73	76	75	87	86	87
	Min.	35	53	55	53	49	37	38	35	38	43	39	45	51	53	57	49	35
	Avg. Max.	63.4	68.3	70.1	71.6	70.7	59.3	56.4	54.4	58.5	59.9	61.5	64.6	65.6	68.0	71.7	70.6	63.4
	Avg. Min.	51.2	56.1	57.8	56.6	55.2	47.5	48.2	44.2	44.5	48.3	50.8	50.9	54.1	56.7	60.1	56.7	51.4
	Avg	57.3	62.2	64.0	64.1	63.0	53.4	52.3	49.3	51.5	54.1	56.2	57.8	59.9	62.4	65.9	63.7	57.4
Port Chicago Naval Depot	Max.	104	104	100	99	92	69	65	62	71	75	88	88	91	95	96	92	96
	Min.	25	49	48	45	33	28	29	25	32	33	35	38	45	45	50	40	25
	Avg. Max.	70.8	87.5	87.2	82.7	79.2	59.6	57.9	53.5	60.2	63.2	66.8	76.0	76.0	83.7	86.9	78.4	70.1
	Avg. Min.	45.0	53.5	53.8	50.5	48.7	40.4	41.8	37.3	36.1	38.5	44.4	44.7	49.7	52.5	54.8	48.2	44.8
	Avg.	57.9	70.5	70.5	66.6	64.0	50.0	49.9	45.4	48.2	50.9	55.6	60.4	62.9	68.1	70.9	63.3	57.5
Richmond	Max.	95	85	84	95	90	71	67	66	72	76	88	77	76	75	90	85	90
	Min.	32	51	54	52	48	36	37	32	37	42	39	46	48	51	54	48	32
	Avg. Max.	65.1	68.8	69.9	73.0	73.4	60.6	58.3	57.1	61.3	62.7	64.3	67.2	64.9	67.5	72.0	70.0	64.9
	Avg. Min.	49.9	54.7	56.8	55.8	54.0	46.2	47.6	42.1	43.3	46.5	49.6	50.3	52.3	54.2	57.6	54.2	49.8
	Avg.	57.5	61.8	63.4	64.4	63.7	53.4	53.0	49.6	52.3	54.6	57.0	58.8	58.6	60.9	64.8	62.1	57.4

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept. 30
HYDROGRAPHIC AREA E (San Francisco Bay Area)																		
EAST BAY (E4)	Max.	101	101	99	96	90	69	63	57	70	73	86	85	90	96	95	86	96
	Min.	33	45	44	41	38	35	37	33	36	31	30	33	41	45	49	37	33
Saint Mary's College	Avg. Max.	78.1	83.8	85.8	79.6	69.3	54.1	54.2	52.0	60.4	60.7	64.7	72.3	76.1	81.1	85.2	75.6	67.5
	Avg. Min	44.1	51.0	53.6	49.5	47.3	38.3	41.4	36.7	33.5	36.1	43.6	43.7	48.6	52.3	54.3	49.4	43.2
	Avg.	56.5	68.6	68.5	64.3	58.3	47.7	47.8	44.5	47.0	48.8	54.3	58.0	62.5	66.7	68.3	62.5	55.7
Urner Jan Leandro Filters	Max.	96	90	90	96	88	73	63	66	73	77	87	77	83	77	92	85	92
	Min.	31	50	51	45	48	35	35	31	36	38	36	39	45	46	53	47	31
	Avg. Max.	M	73.3	74.3	73.5	74.1	60.1	56.5	56.3	M	60.7	63.5	M	66.5	68.6	74.7	71.6	M
	Avg. Min.	M	58.5	59.2	58.0	58.2	44.1	44.8	41.5	40.7	42.7	46.4	45.0M	48.7	50.7	54.6	51.4	M
	Avg	M	66.9	66.7	65.8	66.2	52.4	50.7	48.7	M	51.7	54.5	M	57.6	59.8	64.7	61.5	M
Walnut Creek - EGE	Max.	103	103	101	99	93	71	67	62	72	77	89	96	92	98	96	91	98
	Min.	34	45	45	40	40	24	27	25	28	32	32	32	41	45	50	38	34
	Avg. Max.	74.3	87.5	88.1	80.6	74.7	50.6	58.3	54.1	61.3	64.9	68.5	77.6	74.9	84.7	86.7	78.6	72.5
	Avg. Min	43.5	52.4	52.6	47.6	46.3	38.6	41.6	36.9	34.1	37.4	44.6	42.1	48.8	52.1	54.6	45.5	43.2
	Avg	57.6	70.0	70.4	65.1	63.0	49.1	50.0	45.5	47.7	51.5	56.6	59.6	61.9	68.4	70.6	62.1	58.1
ALAMEDA CREEK (E5)	Max.	102	102	101	100	95	81	66	65	73	74	88	88	91	98	98	94	98
	Min.	24	45	44	36	36	24	26	28	27	31	30	32	40	44	48	38	24
Livermore Sewage Plant	Avg. Max.	71.8	86.5	86.7	83.4	81.0	65.7	58.5	56.3	61.2	63.3	67.4	76.0	75.0	86.2	88.0	79.7	71.6
	Avg. Min.	43.4	52.6	51.7	47.2	46.2	38.2	40.0	37.1	34.0	40.2	42.3	42.4	48.5	51.9	53.9	47.4	43.6
	Avg.	57.6	69.6	69.2	65.3	63.6	52.1	49.3	46.7	47.7	51.8	54.9	59.2	61.8	69.1	71.0	63.6	57.6
Livermore - SSW	Max.	105	105	104	100	96	71	66	64	71	73	87	92	95	104	99	94	104
	Min.	28	42	43	34	40	27	30	26	30	33	35	33	41	45	49	41	26
	Avg. Max.	71.3	88.8	88.6	83.0	81.4	59.8	57.2	56.5	59.6	61.6	66.5	77.1	77.4	86.5	88.2	81.4	71.6
	Avg. Min.	44.3	56.4	56.1	49.9	49.1	33.9	43.5	38.9	35.9	40.4	43.8	46.2	48.6	51.1	54.5	48.2	44.4
	Avg.	57.8	69.7	70.4	66.5	65.3	46.8	46.0	46.0	47.7	51.0	55.2	59.7	62.7	68.8	71.4	64.8	57.8
Mount Hamilton	Max.	90	80	86	89	84	63	56	67	65	63	74	76	80	87	85	74	87
	Min.	27	38	38	38	34	24	M	17	29	31	24	27	35	44	52	38	27
	Avg. Max.	66.5	78.3M	78.0M	72.0M	70.6M	47.9M	46.1M	48.0M	52.2M	49.2M	51.9M	62.9M	68.3M	77.3M	77.4M	68.2M	60.1
	Avg. Min.	45.8	60.9M	60.0M	54.4M	56.0M	35.4M	37.0M	37.9M	38.5M	36.4M	38.9M	45.4M	47.0M	59.7M	61.9M	52.7M	45.7
	Avg	53.2	62.6M	70.9M	63.2M	63.3M	41.7M	41.6M	43.5M	45.4M	42.8M	45.4M	54.9M	57.7M	68.5M	69.6M	[illegible]	[illegible]

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	1965 JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEASON Oct. 1 to Sept. 30
			HYDROGRAPHIC AREA 5 (San Francisco Bay Area)															
[illegible]	Max.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Min.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Alameda	Avg. Max.	M	72.6	76.2M	76.6M	74.4M	M	58.9M	56.2	59.1	61.7	64.0	67.9	69.0	72.9	76.5	74.1	M
	Avg. Min.	M	57.0	58.1M	55.7M	54.9	M	46.7M	45.0	43.1	46.6	49.4	49.7	53.1	55.4	58.5	54.8	M
	Avg.	M	64.8	67.2M	66.1M	64.6M	M	52.8M	49.1	51.4	54.2	56.7	58.8	61.2	64.2	67.5	64.5	M
	Mx	104	104	102	101	98	78	66	[illegible]	78	76	88	90	92	98	98	91	98
	Mn	38	44	42	43	38	34	27	26	28	35	35	38	42	44	40	38	24
Livermore Municipal	Avg. Max.	71.6	88.4	89.7	83.4	81.7	69.5	56.4	54.6	60.5	63.3	66.6	74.2	76.7	87.8	87.8	80.4	71.1
	Avg. Min.	45.0	51.5	51.6	48.3	48.0	40.6	44.3	39.8	36.2	41.5	45.6	43.3	49.8	55.3	54.4	47.3	45.5
	Avg	58.3	70.5	70.7	66.1	64.9	50.1	50.4	46.4	48.4	52.4	56.1	58.8	63.3	70.1	71.1	63.7	58.-
	Mx	101	98	101	99	92	70	70	63	71	75	88	86	87	90	92	91	92
	Mn	[illegible]	46	42	44	42	28	20	28	31	34	33	30	43	46	51	43	28
Altamont Pass, East	Avg. Max.	78.0	82.9	81.5	81.4	77.8	61.3	58.6	56.6	61.4	64.0	66.7	73.6	73.7	80.5	81.1	77.3	69.4
	Avg. Min.	46.1	53.9	54.1	51.8	50.4	41.7	44.7	39.5	40.0	41.6	45.8	44.8	49.9	52.6	53.2	50.7	46.7
	Avg	62.1	68.4	67.8	66.6	64.1	51.5	51.7	48.1	50.7	52.8	56.3	59.2	61.8	66.6	67.2	64.0	58.1
	Mx	103	103	100	102	96	78	66	69	73	78	86	80	92	98	97	96	98
	Mn	[illegible]	34	41	36	30	32	[illegible]	33	36	34	30	35	41	43	46	30	22
Coyote Reservoir	Avg. Max.	[illegible]	90.9	88.2	86.2	79.2	59.9	52.5	57.1	61.1	64.4	65.5	73.1	74.7	84.5	85.2	81.7	70.4
	Avg. Min.	41.	48.4	48.1	44.5	44.4	35.6	39.4	34.5	34.1	36.4	41.1	41.6	46.2	48.1	48.1	46.2	42.0
	Avg	56.-	69.6	67.6	65.3	61.8	47.7	46.0	46.8	48.2	50.4	53.3	57.7	60.0	67.3	66.4	63.6	56.2
	Mx	101	101	100	101	94	73	68	65	73	75	82	86	91	99	95	90	99
	Mn	34	40	40	38	29	25	27	34	27	31	29	30	35	39	43	38	24
Lexington Reservoir	Avg. Mx	84.9	86.1	84.2	81.1	78.3	59.5	56.6	58.0	60.7	61.7	68.9	73.9	74.5	86.8	86.6	79.1	69.8
	Avg. Mn	41.9	46.4	46.6	47.3	46.4	37.3	40.7	38.4	35.0	35.0	41.2	39.6	43.9	50.9	49.1	44.1	41.9
	Avg.	63.9	66.2	65.-	64.4	62.4	48.4	48.4	48.2	47.8	48.4	55.1	56.8	59.2	68.4	67.9	61.6	55.9
	Max.	99	99	98	98	92	76	68	66	67	M	88	86	89	92	93	89	93
	Min.	27	40	42	44	43	28	31	27	21	37	35	27	42	44	40	41	27
Los Gatos	Avg. Max.	70.5	83.5	83.7	83.	78.1	60.5	58.5	57.8	58.5	63.3M	66.0	74.1	74.9	85.2	83.4	78.0	70.1
	Avg. Min.	40.1	52.1	53.4	50.3	42.5	41.7	44.1	41.8	39.2	42.1M	44.3	44.5	48.1	52.9	55.5	50.3	44.2
	Avg.	55.3	68.1	68.4	66.6	60.1	51.1	51.2	49.8	48.-	52.7M	55.1	59.1	61.8	67.6	69.4	64.2	58.2

TABLE A-3
TEMPERATURE DATA

STATION NAME		SEASON July 1 to June 30	1964						1965									SEASON Oct. 1 to Sept. 30
			JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
			HYDROGRAPHIC AREA 2 (San Francisco Bay Area)															
SANTA CLARA VALLEY (E6)	Max.	95	93	93	95	88	79	75	75	70	75	82	81	87	89	92	90	92
	Min.	28	45	47	44	40	32	29	29	30	34	34	41	46	48	51	41	29
Palo Alto City Hall	Avg. Max.	67.0	78.8M	77.1	77.2	73.1	58.3	57.4M	55.1	60.0	61.1	65.1M	70.0	71.1	75.1M	77.1M	72.1	66.2
	Avg. Min.	46.2	54.7M	54.4	49.2	46.0	40.9	42.6M	39.5	39.2	42.0	47.1M	48.9	50.2	54.4M	54.4	51.	47.1
	Avg.	56.6	66.8M	65.8	63.2	61.0	49.6	50.0M	47.4	49.6	51.8	56.4M	58.0	61.0	63.9M	65.7M	61.9	56.4
Redwood City	Max.	99	98	98	99	90	75	73	67	74	83	90	87	95	97	94	90	99
	Min.	25	45	48	45	42	30	31	25	31	31	37	40	44	44	46	41	25
	Avg. Max.	71.6	83.6	84.3	82.8	77.0	62.4	59.0	58.4	63.0	64.9	69.4	75.4	78.7	81.0	84.5	78.5	71.0
	Avg. Min.	46.1	52.4	53.6	49.9	49.6	42.1	45.1	40.6	40.3	42.0	46.7	48.7	50.1	53.4	55.9	49.5	46.8
	Avg.	58.1	68.0	69.0	66.4	63.3	52.3	52.5	49.5	51.7	53.4	58.0	62.1	63.4	67.	70.	64.	58.4
San Jose	Max.	98	94	98	98	90	80	68	64	72	77	88	86	88	89	96	90	98
	Min.	27	45	52	46	43	30	30	27	32	32	35	39	46	49	50	45	27
	Avg. Max.	70.1	79.4	80.8	80.3M	77.4	61.3	52.3	57.7	62.3	65.2	68.5	73.7	77.6	80.2	84.2	77.4	70.1
	Avg. Min.	46.7	56.1	55.8	54.0M	50.2	42.4	44.7	40.7	40.1	42.9	47.0	47.3	51.1	54.6	57.1	49.	47.5
	Avg.	58.9	67.3	68.3	67.2M	63.8	51.9	52.0	49.2	51.2	54.1	57.8	60.4	63.8	67.4	70.7	64.	58.8
San Jose Deciduous F. F. S.	Max.	98	94	94	98	93	72	68	67	72	80	91	87	91	90	94	93	94
	Min.	32	48	48	46	45	32	35	32	34	39	38	41	46	50	52	47	32
	Avg. Max.	M	79.9	79.4	M	79.6	63.5	60.6	58.8	63.5	66.0	67.0	74.0	78.1	80.4	80.4	78.4	70.4
	Avg. Min.	M	55.1	56.1	M	52.3	45.0	48.0	43.5	41.1	45.0	50.0	48.0	52.2	56.6	58.1	53.3	49.3
	Avg.	M	67.5	67.3	M	66.0	54.3	54.3	50.7	52.3	55.0	58.5	61.0	65.2	68.5	69.3	65.9	60.1
Santa Clara University	Max.	96	96	96	96	90	70	69	M	74	79	88	85	90	88	93	M	93
	Min.	29	48	50	47	45	31	31	29	35	39	36	41	46	49	53	M	29
	Avg. Max.	70.9	81.7M	84.5	81.3M	77.0	62.4	60.1	59.6M	64.8	64.7	67.9	73.8	74.5	78.5	80.0M	M	M
	Avg. Min.	47.0	53.6M	57.3	52.6M	51.8	41.7	44.6	40.4M	41.1	44.9	47.6	47.7	51.2	54.2	57.3M	M	M
	Avg.	59.4	67.6M	70.9	67.0M	64.4	52.1	52.3	50.0M	53.0	54.8	57.8	60.8	62.9	66.4	68.7M	M	M
BAYSIDE-SAN MATEO (E7)	Max.	95	95	94	95	84	71	65	66	68	77	88	82	82	81	88	88	88
	Min.	29	46	47	44	43	32	33	29	34	38	38	42	45	46	48	39	29
Burlingame	Avg. Max.	68.6	78.0	78.8	78.4	74.1	60.5	58.7	56.9	62.6	64.1	67.4	70.5	73.1	75.1	78.4	76.1	69.1
	Avg. Min.	46.2	52.3	51.9	49.3	49.9	44.6	46.2	41.0	41.3	43.2	46.4	46.9	50.6	50.5M	53.7	46.0	46.2
	Avg.	57.8	65.2	65.4	63.9	62.0	52.6	52.5	48.5	52.0	54.3	56.9	58.7	61.9	63.0M	66.1	61.1	57.7

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept 30
HYDROGRAPHIC AREA E (San Francisco Bay Area)																		
BAYSIDE-SAN MATEO (E7)	Max.	92	91	89	92	85	69	64	62	68	74	83	78	80	77	85	83	85
	Min.	31	51	52	48	46	35	36	31	37	39	39	41	47	48	52	47	31
San Francisco WB AP	Avg. Max.	63.8	71.6	73.1	73.2	70.2	57.9	56.2	54.6	58.2	59.4	61.4	64.0	65.9	68.3	71.3	70.2	63.1
	Avg. Min.	48.5	54.5	55.4	53.7	51.5	45.3	46.3	42.3	42.5	45.2	47.6	46.5	50.7	52.3	55.3	51.9	48.1
	Avg.	56.2	63.1	64.3	63.5	60.9	51.6	51.3	48.5	50.4	52.3	54.5	55.3	58.3	60.3	63.3	61.1	55.6
San Francisco Federal Office Building	Max	92	81	80	92	86	74	65	62	73	75	85	74	74	69	81	84	92
	Min.	40	50	52	50	50	44	40	40	42	46	43	46	49	48	52	52	40
	Avg. Max	62.1	64.6	65.5	69.0	70.7	60.2	57.3	55.9	59.9	59.5	61.0	60.7	60.7	61.9	66.5	66.9	61.8
	Avg. Min.	51.2	53.1	54.5	55.8	55.4	50.4	50.0	46.9	48.1	49.3	50.3	49.8	51.6	52.9	55.9	55.4	51.3
	Avg	56.7	58.9	60.0	62.4	63.1	55.3	53.7	51.4	54.0	54.4	55.7	54.9	56.2	57.4	61.2	61.2	56.6
San Mateo	Max.	96	94	91	96	88	73	68	63	72	77	87	80	85	80	89	85	89
	Min.	34	50	52	44	47	36	36	34	37	42	40	43	48	50	52	46	34
	Avg. Max.	66.8	75.8M	76.3M	76.4	74.6M	60.5	58.1	56.9M	61.1	61.6	65.0	67.3M	68.4	72.7M	76.8	73.5	66.4
	Avg. Min.	51.1	57.2	58.0M	54.6	53.5M	46.3M	48.1	44.5M	44.7	48.5	50.8	51.8M	54.3	55.8M	58.3	55.8	51.0
	Avg.	59.0	66.9M	67.2M	65.4	64.1M	53.4M	53.1	50.7M	52.9	55.1	57.9	59.6M	61.4	64.3M	67.6	64.7	58.7
COAST-SAN MATEO (E8)	Max.	86	78	69	84	86	69	62	67	64	68	72	68	70	70	84	74	86
	Min.	32	46	48	46	44	35	38	32	37	39	37	38	41	44	50	42	32
Half Moon Bay	Avg. Max.	61.3	64.4	66.0M	66.2	66.2	59.8	56.8	58.5	57.2	58.8	60.4	61.2	60.6M	62.1	67.0	64.7	61.1
	Avg. Min.	47.4	51.8	52.3M	50.9	50.0	46.5	46.0	44.3	41.5	44.3	46.5	46.3	48.9M	49.8	53.7	52.6	47.5
	Avg	54.4	58.1	59.2M	58.6	58.1	53.2	51.4	51.4	49.4	51.6	53.5	53.8	54.8M	56.0	60.4	58.7	54.3
San Francisco Richmond Sunset	Max.	90	68	69	90	84	74	62	65	68	75	66	62	62	72	72	81	84
	Min.	34	46	49	47	45	34	38	40	37	40	38	40	36	47	50	48	34
	Avg. Max.	60.6	62.1	64.8	67.3	66.7	59.9	56.8	56.6	57.8	59.2	59.1	57.3	59.1	61.3	63.6	64.7	60.2
	Avg. Min.	48.9	52.3	55.0	55.3	52.5	45.1	47.9	45.2M	44.3	45.9	47.6	47.2	47.8	52.7	54.7	55.0	48.9
	Avg.	54.8	57.2	59.9	61.3	59.6	52.5	52.4	51.3M	51.1	52.6	53.4	52.3	53.5	57.0	59.2	59.9	54.6
San Gregorio 3 SE	Max.	95	83	83	89	95	71	63	73	69	72	78	68	74	75	87	85	95
	Min.	29	40	41	39	36	29	33	31	31	35	35	34	37	42	44	35	29
	Avg. Max.	63.7	68.2	69.6	71.1M	71.0	61.5	57.5	59.2	59.5	59.4	61.0	61.3	63.8	67.3	71.0M	70.3	63.6
	Avg. Min.	45.0	49.6	49.4	48.4M	47.6	41.8	45.0	42.0	38.4	42.5	44.5	43.4	47.4	49.0	51.1M	48.2	45.1
	Avg.	54.4	58.9	59.5	59.8M	59.3	51.7	51.3	51.0	49.0	51.0	52.8	52.4	55.6	58.2	61.1M	59.3	54.4

TABLE A-3

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept. 31
HYDROGRAPHIC AREA F (North Coastal Area)																		
MENDOCINO COAST (F-	Max.	106	106	106	106	106	78	66	78	80	80	[illegible]	M	98	98	106	94	[illegible]
	Min.	24	41	43	38	32	34	24	26	28	31	32	M	46	41	45	33	24
Boonville HMS	Avg. Max.	M	M	85.6	85.9	M	M	58.0	61.7	M	65.8	67.1	M	76.5	88.5	86.5	M	M
	Avg. Min	M	M	46.5	43.0	M	M	30.2	30.8	M	40.7	44.3	M	46.6	48.4	51.6	M	M
	Avg.	M	M	67.6	66.6	M	M	49.5	50.8	M	43.3	55.7	M	61.3	68.2	68.9	M	M
	Max.	81	68	73	81	77	69	60	64	68	70	72	61	65	75	71	74	77
	Min.	31	44	45	41	39	31	33	32	32	36	38	38	42	45	40	41	31
Fort Bragg	Avg. Max	59.8	62.5	65.2	64.6	64.1	59.6	55.1	54.6	54.9	56.8	58.5	58.4	54.7	61.5	65.4	63.5	59.5
	Avg. Min	45.0	42.1	50.0	47.4	47.9	43.2	43.8	41.0	38.1	42.8	45.2	43.5M	47.4	49.1	52.1	47.8	45.2
	Avg	52.4	56.3	57.6	56.0	56.0	51.4	49.5	47.8	46.5	50.8	51.9	51.0M	53.6	55.3	58.1	55.6	52.4
	Max.	76	68	71	76	74	68	60	61	67	69	66	60	M	64	72	75	75
	Min.	29	39	42	38	39	29	30	31	31	32	34	37	M	M	M	36	29
Fort Bragg	Avg. Max.	M	63.5M	64.9M	64.2	63.7M	58.9M	55.0M	55.2M	55.3	58.0M	56.7M	57.8M	M	59.9M	65.6M	62.-	M
Aviation	Avg. Min.	M	46.9M	47.8M	44.6	46.7M	40.8M	43.3M	41.0M	37.3	40.3M	44.1M	42.4M	M	47.5M	50.1M	44.-	M
	Avg.	M	55.2M	56.4M	54.4	55.2M	49.2M	49.2M	48.1M	46.3	49.2M	50.4M	50.1M	M	53.7M	57.9M	53.6	M
	Max.	91	72	78	91	80	69	60	62	63	71	69	63	65	70	74	82	82
	Min.	33	40	44	42	41	35	34	33	36	38	36	39	42	43	45	51	33
Fort Ross	Avg. Max.	69.2	65.5	67.2	68.3	66.3	59.3	56.0	54.8	56.5	58.4	58.4	59.0	60.6	63.9	68.0	65.7	66.6
	Avg. Min.	45.3	47.4	48.1	47.3	48.0	44.8	45.4	43.2	40.6	43.1	45.5	4[illegible]	46.7	48.3	49.5	49.-	45.2
	Avg	58.1	56.5	57.8	57.8	57.2	[illegible]	50.7	48.-	48.6	50.8	52.-	51.-	53.7	56.1	58.-	57.4	55.-
	Max.	91	76	76	91	81	69	59	67	62	66	65	64	65	70	77	83	83
	Min.	31	43	44	39	39	32	35	31	32	37	37	38	43	45	49	40	31
Point Arena	Avg. Max.	59.8	64.4	66.0	65.9	64.8	59.1	54.7	54.6	54.8	57.4	57.0M	58.4	60.0	62.9	68.2	65.1M	60.8
	Avg. Min.	45.4	48.9	50.3M	46.3	47.1	44.1	44.7	43.5	40.6	42.6	45.4M	44.0	47.6	48.9	51.7	48.3M	45.7
	Avg	52.6	56.7	58.2M	56.1	56.0	51.6	49.7	49.1	47.7	50.0	51.2M	51.2	53.8	55.9	60.0	56.7M	53.2
RUSSIAN RIVER (F-	Max.	107	106	104	107	100	76	67	71	78	81	92	90	93	96	99	85	107
	Min.	26	47	48	42	44	36	30	28	35	33	33	40	47	46	40	43	26
Cloverdale 2 SSE	Avg. Max.	73.0	91.9	91.3	85.6	81.5	60.8	57.3	57.0	62.9	66.4	65.9	77.4	77.8	87.6	88.9	80.6	77.-
	Avg. Min.	45.7	52.2	53.5	49.7	50.7	40.8	41.2	37.7	38.3	41.2	45.5	47.1	50.1	50.8	54.7	47.8	44.-
	Avg.	59.4	72.1	72.7	67.7	66.1	50.8	49.3	47.4	50.6	53.8	55.7	62.3	64.0	69.2	71.8	64.2	60.3

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964						1965									SEASON Oct. 1 to Sept 30
			JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
			HYDROGRAPHIC AREA F (North Coastal Area)															
RUSSIAN RIVER (Ft)	Max.	106	106	103	104	94	76	66	73	76	79	88	92	96	102	100	93	102
	Min.	24	44	47	38	27	25	25	24	28	31	30	28	41	41	49	35	24
Coyote Dam	Avg. Max.	M	89.0	92.1	87.5	81.0	M	54.3	54.3	63.7	64.3	64.6	M	81.3	91.0	88.4	86.3	M
	Avg. Min	M	50.8	51.9	44.7	43.1	M	38.8	34.3	32.6	36.7	42.7	M	47.0	48.4	52.6	43.9	M
	Avg	M	69.9	72.0	66.1	62.1	M	46.6	44.3	48.2	50.5	53.7	M	64.2	69.7	70.5	65.1	M
	Max.	106	104	100	106	100	74	65	64	72	79	95	89	95	91	99	95	100
	Min	27	41	43	38	37	28	27	27	30	33	33	35	42	41	47	34	27
Graton	Avg. Max.	70.9	85.2	86.7	84.7	80.7	60.1	55.9	53.8	62.4	63.6	66.6	77.0	74.2	82.3	85.9	79.6	70.2
	Avg. Min.	44.2	49.5	50.0	47.0	46.5	42.8	42.1	40.0	36.5	40.4	44.8	42.5	48.0	49.4	51.8	47.4	44.4
	Avg	57.6	67.4	68.4	65.9	63.6	51.5	49.0	46.9	49.5	52.0	55.7	59.8	61.1	65.9	68.9	63.5	57.3
	Max.	101	99	99	101	94	65	64	62	71	76	96	85	89	89	95	88	95
	Min.	26	40	42	36	37	28	28	26	30	32	31	35	41	40	45	35	26
Graton 1 W	Avg. Max.	69.7	85.4	85.9	82.9	78.0	58.1	56.4	54.0	61.3	62.2	65.6	74.8	72.4	80.2	83.7	74.9	68.5
	Avg. Min.	43.1	48.1	48.7	46.7	46.3	41.1	42.3	38.1	35.4	39.6	43.6	41.4	46.4	47.1	50.2	45.6	43.1
	Avg	56.4	66.8	67.3	64.8	62.2	49.6	49.4	46.1	48.4	50.9	54.6	58.1	59.4	64.0	67.0	60.3	55.8
	Max.	108	106	105	108	100	75	67	68	76	82	96	90	95	97	99	95	100
	Min.	29	46	47	42	42	30	30	29	34	35	34	41	45	45	48	39	29
Healdsburg	Avg. Max.	75.7	91.1	90.9	87.7	82.5	61.6	58.4	55.9	64.1	66.9	68.7	78.4	77.8	87.4	89.5	82.3	72.8
	Avg. Min	46.3	52.1	52.9	51.4	49.5	42.1	42.8	39.5	39.0	42.3	46.5	46.6	50.4	51.1	54.1	49.2	46.1
	Avg	60.9	71.6	71.9	69.6	66.0	51.9	50.6	47.7	51.6	54.6	57.6	62.5	64.1	69.3	71.8	65.8	59.5
	Max.	93	82	82	92	93	77	61	70	73	74	78	78	80	84	87	92	93
	Min.	28	40	42	40	42	32	32	28	33	36	36	38	44	42	51	42	28
Inverness-Mory	Avg. Max.	65.4	74.4	74.8	74.6	73.1	61.4	56.6	57.9	60.7	61.5	62.1	63.0	65.2	72.2	72.8	73.5	65.0
	Avg. Min.	46.3	50.9	51.2	44.8	50.7	43.8	44.8	41.9	40.2	44.0	44.6	44.4	49.4	50.2	53.2	50.4	46.5
	Avg.	55.9	62.7	63.0	60.2	61.9	52.6	50.7	49.9	50.5	52.8	53.4	53.7	57.3	61.2	63.0	62.0	55.8
	Max.	101	99	101	101	98	76	66	70	73	76	88	86	M	M	M	M	M
	Min.	22	39	40	36	31	23	22	23	27	29	29	29	M	M	M	M	22
Knights Valley	Avg. Max.	M	88.0	89.7M	M	83.1	60.8	57.7	57.6	62.8	63.7	65.8	75.9	M	M	M	M	M
	Avg. Min.	M	46.1	44.0M	M	40.1	38.8	39.0	37.5	33.7	37.0	41.5	38.6	M	M	M	M	M
	Avg	M	67.1	69.4M	M	61.6	49.8	48.4	47.6	48.3	50.4	53.7	57.3	M	M	M	M	M

TABLE A-3
TEMPERATURE DATA

TABLE A-3
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

STATION NAME		SEASON July 1 to June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	SEASON Oct. 1 to Sept 30
			HYDROGRAPHIC AREA F (North Coastal Area)															
RUSSIAN RIVER (FC)	Max.	105	108	104	105	98	75	64	74	74	81	90	92	98	102	99	97	102
	Min.	33	44	39	38	32	23	23	23	26	27	29	31	37	M	M	34	23
Potter Valley P. H.	Avg. Max.	M	95.3M	95.4M	M	85.5M	61.1M	53.4M	57.0M	65.6M	66.4M	70.4M	78.7M	M	M	M	80.8M	M
	Avg. Min	M	55.6M	56.3M	M	40.7M	34.0M	36.5M	33.8M	30.8M	35.1M	40.4M	39.4M	M	M	M	43.6M	M
	Avg.	M	73.0M	72.9M	M	63.1M	48.0M	44.0M	45.4M	48.2M	51.0M	55.7M	59.0M	M	M	M	66.3M	M
	Max	104	99	102	104	97	76	68	66	74	78	93	87	89	91	96	93	99
	Min.	22	45	45	42	39	27	22	26	31	34	32	38	43	43	48	37	22
	Avg. Max.	71.4	84.5	86.0	83.4	81.0	62.7	58.7	56.3	63.3	65.4	66.8	75.6	73.5	81.3	85.9	79.9	70.4
	Avg. Min.	43.5	49.9	50.5	49.0	46.5	38.9	40.4	37.6	35.2	39.0	43.6	43.6	47.7	49.5	52.2	46.7	42.5
	Avg.	57.5	67.2	68.3	66.2	63.8	50.8	49.6	47.0	49.3	52.2	55.2	59.6	60.6	65.4	69.1	63.3	57.5
	Max.	96	96	95	96	93	73	67	64	71	75	91	84	85	90	92	91	93
	Min.	25	44	45	42	37	26	25	26	30	33	30	38	42	45	49	36	25
[illegible] Sewage Plant	Avg. Max.	67.7	78.9	78.4	76.8	75.6	60.2	57.4	55.2	61.4	61.7	64.3	71.4	70.5	77.6	81.5	76.3	67.8
	Avg. Min.	44.0	49.7	51.2	49.2	46.3	40.2	41.0	38.3	35.8	40.2	44.1	43.5	48.3	50.2	53.3	47.3	44.0
	Avg	55.9	64.3	64.8	63.0	61.0	50.2	49.2	46.8	48.6	51.0	54.2	57.5	59.4	63.9	67.4	61.8	55.9
	Max.	110	110	106	108	98	77	61	74	75	82	92	91	98	103	101	90	103
	Min.	26	46	48	42	37	26	27	26	29	31	32	32	42	48	50	37	26
[illegible]	Avg. Max.	73.5	90.9	92.5	88.1	81.8	60.0	54.7	57.9	64.3	66.0	67.7	76.6	81.7	92.5	90.1	85.3	73.2
	Avg. Min.	44.2	53.9	53.7	47.2	47.1	39.3	41.1	38.0	34.8	39.1	43.5	43.7	48.7	53.4	55.1	46.6	44.2
	Avg	58.9	72.4	73.1	67.7	64.5	49.7	47.9	48.0	49.6	52.6	55.6	60.2	65.2	72.9	72.6	66.0	58.7
	Max.	100	97	99	100	93	70	62	63	73	76	90	84	89	93	94	89	94
	Min.	21	42	42	38	35	24	25	25	21	30	32	32	40	42	46	34	21
[illegible]	Avg. Max	68.1	81.6	82.4	80.7	77.0	58.0	55.8	48.9	60.0	63.3	65.7	73.9	70.9	81.4	81.4	74.1	67.5
	Avg. Min.	M	49.9	49.1	45.6	44.8	41.1	41.0	36.5	33.7	40.2	42.4	M	46.5	48.7	51.7	47.4	M
	Avg	M	65.8	65.8	63.2	60.9	49.6	48.4	40.7	46.9	51.3	54.1	M	58.7	65.1	66.6	60.8	M
	Max.																	
	Min.																	
	Avg. Max																	
	Avg. Min																	
	Avg																	

TABLE A-4

EVAPORATION DATA

STATION NAME		TOTAL July 1 To June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	TOTAL Oct. 1 To Sept. 30
			HYDROGRAPHIC AREA 1 (Central Coastal Area)															
PAJARO-SAN BENITO RIVER (D1) Hollister Gage	Evap.	61.31	8.86	7.82	7.47	6.81	4.18	1.46	1.61	1.96	3.[illegible]	3.79	7.08	7.67	6.03	6.75	4.[illegible]	55.40
	Wind Movement																	
	Water Temp. Avg. Max.																	
	Water Temp Avg. Min																	
LOWER SALINAS RIVER (D2) San Ardo-Bolsa	Evap.	61.40E	10.37	7.23	6.04	4.32	3.17	1.39	1.73E	2.[illegible]	4.15E	4.42E	7.44	8.45	8.38	8.47	6.[illegible]	61.10E
	Wind Movement																	
	Water Temp Avg. Max																	
	Water Temp. Avg. Min.																	
Santa Rita-Mather	Evap.		5.88E	4.30	4.[illegible]	4.23	2.76	1.29	2.1[illegible]	3.41	3.52	-	-	-	-	-	-	-
	Wind Movement		1847	1672	1053	1643	2056	1462	2697	2904	4272	-	-	-	-	-	-	-
	Water Temp Avg. Max.																	
	Water Temp Avg. Min																	
Soledad CTF	Evap.	62.83	8.21	7.36	7.18	5.08	2.57	2.01	1.93	3.48	4.26	5.66	8.16	7.43	7.49	7.45	6.27	61.79
	Wind Movement	53196	4597	3036	3499	3376	2851	3745	4001	4884	4981	4870	6537	6738	6437	5833	4974	59107
	Water Temp Avg. Max.	-	-	-	-	75.2	75.9	62.1	59.0	57.0	62.1	65.3	70.3	73.4	75.0	79.4	80.4	75.1	69.7
	Water Temp Avg. Min.	-	-	-	-	50.8	53.[illegible]	43.2	43.0	40.6	39.3	42.6	46.6	46.5	49.1	50.9	55.0	51.0	46.5
UPPER SALINAS RIVER (D3) Nacimiento [illegible]	Evap.	69.80	11.48	10.58	7.[illegible]	6.05	3.02	1.54	1.[illegible]	2.44	3.7[illegible]	5.27	9.01	8.92	10.45	10.[illegible]	7.[illegible]	68.95
	Wind Movement																	
	Water Temp Avg. Max.																	
	Water Temp Avg. Min.																	

TABLE A-4
EVAPORATION DATA

TABLE A-4

EVAPORATION DATA

STATION NAME		TOTAL July 1 To June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	TOTAL Oct. 1 To Sept. 30
			HYDROGRAPHIC AREA E (San Francisco Bay Area)															
NAPA-SOLANO (E3)	Evap.	65.45	9.73	9.37	7.56	4.88	2.33	1.06	1.03	2.67	3.50	3.68	8.17	8.40	7.74	7.23	6.33	55.84
Duttons Landing	Wind Movement	33850	4001	3853	2907	2100	2286	2059	2139	1837	2351	2284	3309	4713	3618	3147	2710	32743
	Water Temp Avg. Max.	-	84.0	83.1	80.4	75.6	-	-	55.1	62.3	67.2	71.9	79.1	77.6	80.4	84.2	77.2	--
	Water Temp. Avg Min	-	54.6	55.0	52.6	50.3	-	-	41.5	39.8	44.3	48.0	48.5	50.7	52.4	57.0	50.6	--
Yountville-Gamble	Evap.	53.13	8.55	8.32	7.32	3.76	1.53	1.00	1.15	1.86	2.98	3.45	7.25	6.67	9.10	6.42	3.06	53.44
	Wind Movement	-	1492	1099	1119	1153	1270	1084	801	1557	1954	1903	-	-	-	2343	1800	--
	Water Temp. Avg. Max																	
	Water Temp. Avg. Min.																	
ALAMEDA CREEK (E4)	Evap.	69.21	12.48	10.54	7.36	5.39	2.46	1.07	1.58	2.81	3.85	4.36	8.46	8.55	11.32	7.61	7.60	67.35
Livermore Sewage Plant	Wind Movement	9235	2580	2510	1690	1320	880	110	1750	1620	2050	1830	2760	2264	2150	2345	1410	21179
	Water Temp. Avg. Max.																	
	Water Temp Avg Min.																	
Newark	Evap.	60.34	10.29	9.64	8.24	5.13	2.48	1.54	1.30	2.82	4.63	5.41	9.34	8.63	8.80	6.65	4.51	65.31
	Wind Movement	10347	3803	3457	3087	2487	2752	3110	3001	2543	3540	3976	4714	4437	3602	3458	2922	40641
	Water Temp Avg. Max.																	
	Water Temp Avg Min																	
SANTA CLARA VALLEY (E5)	Evap.	62.68	9.81	9.18	7.31	5.34	1.82	1.05	1.24	2.65	4.14	4.58	8.32	7.60	8.50	8.41	6.45	62.74
Alamitos Perc Pond	Wind Movement	13854	1527	1907	1721	1643	1364	1404	1500	1389	1741	1669	1995	1900	1743	1586	1303	17457
	Water Temp Avg Max.																	
	Water Temp Avg. Min.																	

Evaporation in Inches | Wind Movement in Total Miles | Water Temperature in Degrees Fahrenheit

TABLE A-4
EVAPORATION DATA

STATION NAME		TOTAL July 1 To June 30	1964 JULY	1964 AUG.	1964 SEPT.	1964 OCT.	1964 NOV.	1964 DEC.	1965 JAN.	1965 FEB.	1965 MAR.	1965 APR.	1965 MAY	1965 JUNE	1965 JULY	1965 AUG.	1965 SEPT.	TOTAL Oct. 1 To Sept. 30
			HYDROGRAPHIC AREA E (San Francisco Bay Area)															
SANTA CLARA VALLEY (EA)	Evap.	48.42	5.58	7.84	6.35	4.44	1.21	.43	.97	1.08	2.39E	3.98	6.26	6.04	7.71	7.37	4.99	46.45
	Wind Movement	-	-	646	644	666	339	478	610	664	663	605	900	863	846	819	633	7947
Coyote Reservoir	Water Temp. Avg. Max.																	
	Water Temp. Avg. Min.																	
	Evap.	55.01	4.20	6.58	6.66	4.41	1.74	1.64	.93	1.08	2.44	3.49	6.54	6.93	8.66	7.96	5.06	53.19
	Wind Movement	15243	843	1303	1309	1327	1366	1842	1563	1158	1075	1282	801	1130	944	716	765	14143
Lexington Reservoir	Water Temp. Avg. Max.																	
	Water Temp Avg. Min																	
BAYSIDE-SAN MATEO (ET)	Evap.	-	5.04	7.47	6.08	3.73	2.30	-	1.34	1.08	3.14	3.51	6.81	7.19	7.65	6.52	4.87	--
	Wind Movement	8453	450	732	634	589	656	710	549	534	487	759	1034	850	960	651	1310	9254
Burlingame	Water Temp Avg. Max	74.3	88.4	88.5	85.3	75.6	61.4	59.1	55.7	64.7	71.6	78.3	84.6	89.4	91.3	90.8	85.8	75.5
	Water Temp Avg. Min	50.5	57.7	57.5	54.6	53.0	44.8	44.8	42.1	43.0	47.4	52.4	52.7	50.4	50.2	58.5	55.1	50.8
	Evap.																	
	Wind Movement																	
	Water Temp Avg. Max.																	
	Water Temp. Avg. Min.																	
	Evap.																	
	Wind Movement																	
	Water Temp Avg. Max.																	
	Water Temp. Avg. Min.																	

TABLE A-4
EVAPORATION DATA

TABLE A-4
EVAPORATION DATA

Evaporation in Inches — Wind Movement in Total Miles — Water Temperature in Degrees Fahrenheit

STATION NAME		TOTAL July 1 To June 30	1964 JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	1965 JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL Oct. 1 To Sept 30
			HYDROGRAPHIC AREA F (North Coastal Area)															
RUSSIAN RIVER (F[illegible] [illegible]	Evap	-	11.44	11.[illegible]	[illegible]	B [illegible]	B 1.[illegible]	-	B [illegible]	B 1.[illegible]	B [illegible]	4.[illegible]	[illegible].3[illegible]	[illegible].56	11.27	[illegible]	7.[illegible]4	--
	Wind Movement	17 1[illegible]	1[illegible]1	1871	1654	B 11[illegible]	B [illegible]	11[illegible]	B [illegible]	B 1020	B 15[illegible]	1424	166[illegible]	1551	16[illegible]	164[illegible]	1[illegible]4	1[illegible]37
	Water Temp Avg Max	-	[illegible]4.[illegible]	[illegible]5.3	7[illegible].3	[illegible]1.[illegible]	-	5[illegible].5	4[illegible]	55.5	[illegible]3.[illegible]	65.[illegible]	-	[illegible]1.1	86.[illegible]	83.5	7[illegible]	--
	Water Temp Avg Min	-	[illegible]4.[illegible]	54.[illegible]	47.4	47.[illegible]	-	39.8	3[illegible].[illegible]	35.7	3[illegible].6	43.5	-	4[illegible].[illegible]	53.3	54.5	47.1	--
[illegible]	Evap	-	7.[illegible]	7.50	-	4.24	1.[illegible]3	[illegible].73	.[illegible]	[illegible].35	[illegible].58	[illegible].59	5.15	-	-	-	-	--
	Wind Movement	-	[illegible]	414	[illegible]	357	744	7[illegible]	6[illegible]3	[illegible]46	[illegible]7	[illegible]67	[illegible]	-	-	-	-	--
	Water Temp. Avg. Max	-	-	-	-	-	-	5[illegible].5	54.[illegible]	61.7	66.[illegible]	7[illegible].4	[illegible].1	-	-	-	-	--
	Water Temp. Avg Min	-	-	-	-	-	-	44.4	42.[illegible]	40.6	45.1	4[illegible].4	5[illegible].[illegible]	-	-	-	-	--
[illegible]	Evap.	[illegible]	1[illegible].13	[illegible]	7.1[illegible]	4.48	2.0[illegible]	.[illegible]8	1.[illegible]3	[illegible]	3.5[illegible]	3.[illegible]7	[illegible]	7.[illegible]	[illegible]	[illegible]	[illegible].1[illegible]	[illegible].4[illegible]
	Wind Movement	[illegible]	[illegible]	[illegible]	2404	1987	201[illegible]	2804	1[illegible]	1678	2[illegible]	2732	3[illegible]4	313[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Water Temp. Avg. Max																	
	Water Temp Avg Min																	
[illegible]	Evap.	-	[illegible].17	9.73	7.[illegible]	[illegible].04	2.[illegible]	.9[illegible]	RE									
	Wind Movement																	
	Water Temp Avg Max.																	
	Water Temp Avg. Min																	
	Evap.																	
	Wind Movement																	
	Water Temp Avg. Max																	
	Water Temp Avg. Min.																	

Appendix B

SURFACE WATER FLOW

INTRODUCTION

This appendix presents surface water measurement data collected and assembled by the Department of Water Resources. It contains information collected in the Central Coastal Area during the 1965 water year covering the period from October 1, 1964, through September 30, 1965.

Definition of Terms

The following terms are commonly used:

Cubic foot per second, or second-foot, is the unit rate of discharge of water. One cubic foot per second is a cubic foot of water passing a given point in one second.

Gage Height or Stage is the elevation of the water surface above an assigned datum as measured by a gage. It is measured in feet to the nearest 0.01 foot.

Acre-foot is the quantity of water required to cover one acre to a depth of one foot. It is equivalent to 43,560 cubic feet or 325,850 gallons.

Water year is the 12-month period from October 1 of one year through September 30 of the subsequent year and is normally designated by the calendar year in which it is terminated.

Methods and Procedures

Streamflow Measurements

A stream gaging station is equipped with a continuous water stage recorder for which a stage-discharge relationship or rating is developed. The rating gives the flow or discharge in cubic feet per second (c.f.s.) for each water stage or gage height at a station. Given the rating and continuous water stage record, mean daily discharges are determined by electronic data processing methods.

The rating is developed by making streamflow measurements with a current meter at various water stages ranging from near minimum to near maximum. Normally, the rating is fairly permanent where there is a fixed channel and a fixed flow regimen at the station. The rating varies, however, where the bed of the channel is of loose shifting sand and gravel or where vegetative growth builds up in the channel changing the flow regime. Where the rating is not permanent and varies periodically, more frequent measurements of discharge are necessary to accurately determine the discharge, and manual computation may be required. Measurement procedures which have been employed are consistent with those used by the U. S. Geological Survey.

Tidal Stage Measurements

Along the Pacific Coast, there are usually two high and two low tides in a day. The lunar or tidal day is about 50 minutes longer than the solar day because tides are more strongly influenced by the moon than by the sun. The two high and two low tides which are usually unequal are commonly designated as higher high, lower high, higher low, and lower low waters. Tidal stage stations are equipped with continuous water level recorders.

Coding System

The station numbering system is that which is given in the Department publication entitled "Index of Stream Gaging Stations In and Adjacent to California, 1966". The stations for which data are given in this report are described either in the explanation of tables or in the tables.

EXPLANATION OF TABLES

Daily Mean Discharge

Table B-1 presents daily mean discharges in Butano Creek near Pescadero. The mean, maximum, and minimum values at the bottom of each

monthly column are representative of that month and year only. The acre-feet value for each month is a total of the daily values which are converted to acre-feet for the computation. The mean discharge under "Water Year Summary" is an average of the monthly means. The maximum and minimum discharges are instantaneous extremes that occurred during the year. The total acre-feet is the sum of the monthly acre-feet values. When flows at a single station are in excess of 140 percent of the highest measurement on the rating curve, the computed daily mean discharges from the electronic computer are shown as "estimates". Publication of the record of this station will be discontinued with this issue of Bulletin No. 130. Data for future years will be published in the "Surface Water Records" of the U. S. Geological Survey.

Imports

Table B-2 presents monthly deliveries of water into the Central Coastal Area. This table indicates the water user and the source of the supply. Monthly and water year total deliveries in acre-feet, average delivery in cubic feet per second, and monthly use in percent of annual are presented.

Daily Mean Gage Height

Table B-3 presents the daily mean gage height for Rector Reservoir near Yountville. These gage heights are from USC&GS mean sea level datum and are indicative of the amount of water in storage. The station is located on the outlet tower of the reservoir. Rector Reservoir is located about three miles northeast of Yountville on Rector Creek.

Daily Maximum and Minimum Tides

Table B-4 lists maximum and minimum tides at the Sacramento River at Collinsville and Suisun Bay at Benicia, respectively. These data are obtained from graphical charts plotted by continuous water stage recorders.

The values are in feet above -13.05 feet USC&GS mean sea level datum of 1929 at Collinsville and above -10.00 feet at Benicia. The values in most cases represent higher high water and lower low water. During a calendar day in which three instead of four tides occurred, the high and low values may represent lower high water or higher low water. The maximum and minimum values at the bottom of each monthly column represent the extremes observed during that month.

Station descriptions and historical data are provided at the bottom of Table B-4.

Corrections and Revisions to Previously Published Surface Water Data

Table B-5 lists corrections and revisions to previously published surface water data in order of publication date.

TABLE B-1

WATER YEAR	STATION NO.	STATION NAME
1965	E83200	BUTANO CREEK NR PESCADERO

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.8	5.3	2.7	39	31 E	10	16	19	11	4.4	1.8	1.5	1
2	0.7	5.2	3.3	44	30 E	10	15	19	11	4.4	1.8	1.6	2
3	0.6	4.2	3.2	258	29 E	10	13	18	11	4.2	1.8	1.9	3
4	0.6	2.7	2.7	269	28 E	10	11	18	11	4.0	1.9	2.1	4
5	0.5	2.4	2.5	325 *	27 E	12	11	17	10	3.9	2.1	2.3	5
6	0.5	2.2	2.3	NR	27 E	15	10	16	9.3	3.7	2.0	2.5	6
7	0.6	2.3	2.3	NR	25 E	12	11	16	9.0	3.6	1.8	2.8	7
8	0.4	4.8	2.2	NR	24 E	11	62	16	9.0	3.5	1.8	2.9	8
9	0.3	23	2.2	NR	23 E	11	301	16	9.0	3.3	1.9	3.3	9
10	0.4	28	2.3	NR	22 E	10	242	16	8.8	3.2	2.0	3.3	10
11	0.5	16	3.4	NR	21 E	10	134	16	8.6	3.2	2.0	2.4	11
12	0.5	17 *	2.9	NR	21 E	11	85	15	8.3	3.2	1.9	2.9	12
13	0.7	12 *	2.3	NR	20 E	13	58	15	8.6	3.0	1.8	3.0	13
14	0.8	7.5	2.4	NR	19 E	14	50	12	8.6	2.9	1.7	1.0	14
15	0.8	5.5	2.6	NR	18 E	12	58 *	10	8.6	2.9	1.7	0.9	15
16	0.8*	4.4	2.4	NR	17 E	11	447	10	7.3*	2.9	1.8	0.9	16
17	0.8	3.7	2.2	NR	16 E	10	148	10	6.5	2.8	1.8	0.8	17
18	0.7	3.0*	2.5	NR	15 E	10	89	10	6.9	2.8	2.1	0.6	18
19	0.6	2.6	28	37 =	15 E	9.5	65	10	6.7	2.9	2.4	0.8	19
20	0.5	2.4	37	32	14 E	9.5	53	10	6.9	2.9	2.4	0.7	20
21	0.3	2.5	144 *	31	13 E	9.0	50	10	7.3	2.5*	2.4	0.8	21
22	0.3	3.6	681 *	29	12 E	8.6	43	10	7.7	2.3	2.4	1.0	22
23	0.5*	2.4	389 *	61	12 E	8.6	36	10	7.5	2.4	2.4	1.1	23
24	0.7	2.3	263	68	12 E	8.3	32	10	7.7	2.4	2.4	0.8	24
25	0.7	2.3	125	43	11 #	8.1*	29	10 *	8.1*	2.2	1.8	0.8	25
26	0.9	2.4	113	38 E	11	8.1	27	10	7.1	2.4	1.7	1.0	26
27	1.0	2.5	143	37 E	15	18	25	10	5.5	2.2	1.6	1.1	27
28	2.5	2.3	100	36 E	12	11	23	10	4.5*	2.2	1.7	1.1	28
29	7.3	2.2	70	33 E		9.5	21	11	4.4	2.2	1.9	1.1	29
30	6.1	2.2	65	32 E		9.2	20	11	4.4	2.2	1.4	1.2	30
31	3.9		60	32 E		22		11		2.4	1.8		31
MEAN	1.1	6.0	66.6	NR		19.3E	11.0	72.8	13.0	8.0	3.0	1.9	1.6	MEAN
MAX.	7.3	28.0	681	NR		31.0E	22.0	447	19.0	11.0	4.4	2.4	3.3	MAX.
MIN.	0.3	2.2	2.2	NR		11.0E	8.1	10.0	10.0	4.4	2.2	1.4	0.6	MIN.
AC. FT.	70	355	4094	NR		1071E	677	4334	797	477	185	119	96	AC FT

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY
= — E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M D B &M	OF RECORD			DISCHARGE	GAGE HEIGHT	PERIOD		ZERO OH GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37° 13' 49"	122° 21' 51"	SW1/4 SE 4W	1340	16.21	1/31/63	June 62-Date	June 62-Date	1962		0.00	Local

Station located 1.7 mi. SW intersection Pescadero Road and Old Stage Road in Pescadero.
Tributary to Pescadero Creek. Recorder installed June 22, 1962.

TABLE B-2

SURFACE WATER IMPORTS TO THE CENTRAL COASTAL AREA

IMPORT	1965 WATER YEAR												
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	TOTAL
CITY OF VALLEJO FROM CACHE SLOUGH													
Total acre-feet	1,358	745	670	774	731	875	714	1,481	1,488	1,604	1,608	1,493	13,539
Average cubic feet per second	22	13	11	13	13	14	12	24	25	26	26	25	19
Monthly quantities in percent of seasonal	10	6	5	6	5	7	5	11	11	12	12	11	
CONTRA COSTA CANAL													
Total acre-feet	5,255	3,884	3,463	3,075	3,162	3,704	3,695	5,654	5,474	6,608	7,168	5,385	56,527
Average cubic feet per second	85	65	56	50	57	60	62	92	92	107	117	90	96
Monthly quantities in percent of seasonal	9	7	7	5	6	7	6	10	10	12	12	9	
HETCH HETCHY AQUEDUCT													
Total acre-feet	16,155	15,747	16,298	9,682	6,295	13,043	14,358	14,542	14,150	18,720	15,548	14,959	169,497
Average cubic feet per second	263	265	265	157	113	212	241	237	238	304	253	251	233
Monthly quantities in percent of seasonal	10	9	10	6	4	7	8	9	8	11	9	9	
MOKELUMNE RIVER AQUEDUCT													
Total acre-feet	17,916	14,143	12,129	4,536	13,278	9,427	9,688	17,689	17,489	18,115	18,095	17,313	169,818
Average cubic feet per second	291	238	197	74	239	153	163	288	294	295	294	291	234
Monthly quantities in percent of seasonal	11	8	7	3	8	5	6	10	10	11	11	10	
POTTER VALLEY POWERHOUSE FROM EEL RIVER													
Total acre-feet	17,090	18,310	15,650	18,580	16,930	9,450	17,680	18,560	12,330	13,480	13,880	16,970	188,900
Average cubic feet per second	277	308	255	302	305	154	297	302	207	219	226	285	261
Monthly quantities in percent of seasonal	9	10	8	10	9	5	9	10	7	7	7	9	
PUTAH SOUTH CANAL *													
Total acre-feet	7,824	26	355	0	311	3,285	3,294	20,773	27,624	29,179	25,131	29,486	147,288
Average cubic feet per second	127	0.4	5.8	0	5.6	53	55	338	464	475	409	496	202
Monthly quantities in percent of seasonal	5	0.1	0.5	0	0.4	2	2	14	19	20	17	20	
SOUTH BAY AQUEDUCT													
Total acre-feet	2,469	1,479	109	0	31	192	206	2,012	3,683	5,655	7,537	7,032	30,405
Average cubic feet per second	40	25	1.8	0	0.6	3.1	3.4	33	62	92	123	118	41
Monthly quantities in percent of seasonal	8	5	0.3	0	0.1	0.6	1	6	12	19	25	23	

* A portion of this water is delivered to the Central Coastal Area by the Solano Irrigation District.

TABLE B-3

WATER YEAR	STATION NO.	STATION NAME
1965	E31400	RECTOR RESERVOIR NEAR YOUNTVILLE

DAILY MEAN GAGE HEIGHT

(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	348.41	345.90	346.61	370.13	370.23	370.15	370.14	370.17	368.28	364.85	360.73	356.49	1
2	348.27	345.85	346.50	370.11	370.24	370.16	370.14	370.17	368.06	364.78	360.60	356.33	2
3	348.11	345.87	346.46	370.42	370.24	370.17	370.16	370.15	367.99	364.65	360.46	356.10	3
4	348.00	345.90	346.42	370.50	370.24	370.17	370.17	370.14	367.83	364.49	360.28	356.05	4
5	348.00	345.90	346.40	371.00	370.28	370.12	370.16	370.14	367.76	364.35	360.11	355.90	5
6	347.95	345.92	346.38	370.75	370.27	370.13	370.13	370.14	367.70	364.22	359.94	355.76	6
7	347.81	345.93	346.30	370.47	370.21	370.14	370.04	370.11	367.65	364.12	359.87	355.69	7
8	347.68	345.99	346.26	370.43	370.21	370.15	370.02	370.10	367.59	363.99	359.70	355.58	8
9	347.54	346.22	346.24	370.35	370.18	370.11	370.30	370.05	367.47	363.86	359.60	355.42	9
10	347.40	346.74	346.20	370.31	370.17	370.07	370.33	370.03	367.34	363.71	359.45	355.27	10
11	347.26	346.89	346.19	370.30	370.16	370.01	370.29	370.03	367.22	363.56	359.33	355.13	11
12	347.11	347.11	346.17	370.28	370.18	369.95	370.25	369.95	367.12	363.48	359.27	355.04	12
13	346.98	347.07	346.14	370.27	370.18	369.96	370.23	369.84	366.98	363.32	359.12	354.98	13
14	346.86	347.07	346.12	370.26	370.19	369.92	370.23	369.76	366.90	363.18	358.94	354.90	14
15	346.72	347.06	346.02	370.25	370.17	369.92	370.20	369.73	366.84	363.00	358.77	354.75	15
16	346.57	346.95	346.00	370.23	370.15	369.94	370.43	369.63	366.79	362.86	358.65	354.59	16
17	346.43	346.92	345.98	370.24	370.13	369.90	370.34	369.59	366.63	362.75	358.58	354.48	17
18	346.30	346.90	345.88	370.23	370.10	369.89	370.33	369.47	366.49	362.62	358.43	354.43	18
19	346.17	346.88	345.92	370.24	370.12	369.90	370.37	369.36	366.34	362.53	358.29	354.40	19
20	346.02	346.84	346.02	370.21	370.14	369.91	370.32	369.27	366.21	362.39	358.13	354.36	20
21	345.90	346.82	348.00	370.21	370.15	369.92	370.31	369.17	366.13	362.24	358.02	354.30	21
22	345.88	346.80	359.05	370.21	370.15	369.95	370.30	369.13	366.03	362.09	357.80	354.15	22
23	345.85	346.80	370.68	370.21	370.14	369.97	370.28	369.03	365.89	361.92	357.71	354.02	23
24	345.83	346.70	370.38	370.41	370.10	369.96	370.25	368.95	365.74	361.86	357.60	353.90	24
25	345.81	346.68	370.21	370.31	370.06	369.92	370.23	368.84	365.68	361.72	357.45	353.86	25
26	345.79	346.66	370.29	370.27	370.08	369.93	370.21	368.72	365.57	361.66	357.30	353.75	26
27	345.78	346.65	370.34	370.26	370.14	370.00	370.20	368.59	365.40	361.56	357.13	353.70	27
28	345.79	346.63	370.29	370.23	370.15	370.04	370.18	368.47	365.31	361.40	357.03	353.68	28
29	345.89	346.61	370.20	370.23		370.07	370.18	368.40	365.19	361.13	356.87	353.53	29
30	345.95	346.60	370.20	370.23		370.09	370.17	368.37	365.01	360.95	356.79	353.40	30
31	345.98		370.18	370.23		370.13		368.33		360.86	356.66		31

E — ESTIMATED

NR — NO RECORD

NE — NO FLOW

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-5-65	0900	372.33									

TABLE B-4

DAILY MAXIMUM AND MINIMUM TIDES*

SACRAMENTO RIVER AT COLLINSVILLE

STATION NO	WATER YEAR
B31110	1965

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.29 11.97	16.40 12.77	16.28 12.28	17.20 13.24	16.70 12.39	15.84 11.51	15.91 12.53	16.13 11.69	17.09 11.43	16.75 11.19	15.81 11.73	16.12 12.40	1
2	16.10 11.96	15.79 12.05	16.52 12.33	17.34 13.80	16.54 12.31	15.88 11.69	16.09 12.41	16.23 11.42	16.93 11.42	16.57 11.41	15.95 12.05	16.22 12.27	2
3	16.09 12.13	15.70 11.86	16.26 11.86	17.82 13.61	16.37 12.35	15.85 11.87	15.99 12.10	16.28 11.28	16.78 11.43	16.29 11.55	16.03 12.30	16.15 12.19	3
4	16.05 12.41	15.86 11.89	16.15 11.62	17.65 13.76	16.21 12.55	16.00 12.22	16.31 12.05	16.48 11.42	16.60 11.49	15.72 11.49	16.08 12.44	16.11 12.06	4
5	15.87 12.52	15.96 11.89	16.02 11.59	17.02 14.41	16.30 12.89	15.72 12.22	16.32 12.00	16.09 10.93	16.03 11.43	15.96 11.77	16.16 12.17	16.04 11.94	5
6	15.94 12.55	16.03 11.95	15.83 11.46	17.93 14.70	16.39 13.93	15.74 12.28	16.31 11.80	15.68 10.70	15.71 11.35	16.06 12.06	16.25 12.03	16.07 12.00	6
7	16.05 12.44	16.24 11.89	15.80 11.55	17.08 14.27	16.10 12.91	15.85 12.33	16.28 11.77	15.36 10.80	15.90 11.60	16.24 12.24	16.29 11.94	15.25 11.86	7
8	15.86 12.14	16.31 12.10	15.74 11.73	16.61 15.48	16.18 13.09	16.04 12.18	16.61 12.24	15.14 10.84	15.96 11.96	16.48 12.08	14.91 11.72	16.13 11.91	8
9	15.89 13.19	16.52 12.43	15.56 11.72	16.52 14.25	16.11 12.44	16.15 12.31	16.54 12.15	15.30 11.06	16.16 11.97	16.39 11.89	16.28 11.71	16.12 12.03	9
10	15.85 12.17	15.93 12.48	15.18 11.67	16.76 14.12	16.25 12.30	16.11 11.81	16.38 12.08	14.96 11.28	14.83 11.77	14.81 11.60	16.25 11.71	16.17 12.19	10
11	15.79 12.10	15.91 12.16	15.24 11.48	17.06 14.01	16.47 11.96	16.18 11.91	15.89 11.72	15.53 11.68	16.43 11.80	16.36 11.49	16.29 11.75	15.96 12.22	11
12	16.18 12.18	15.60 12.51	15.01 12.76	17.19 13.81	16.65 11.80	16.50 11.80	16.09 11.98	15.82 11.98	16.54 11.63	16.40 11.50	16.11 11.64	15.78 12.24	12
13	15.62 12.45	15.49 12.20	14.89 11.98	17.08 13.12	17.04 11.99	16.02 11.30	16.04 12.18	16.18 12.01	16.36 11.39	16.53 11.65	15.95 11.59	15.73 12.46	13
14	15.35 12.01	15.32 11.80	15.39 11.78	17.22 12.90	17.20 12.79	16.23 11.58	16.11 12.51	16.18 11.91	16.38 11.38	16.39 11.59	15.94 11.93	15.70 12.41	14
15	15.54 11.93	15.21 11.65	15.86 11.92	17.55 12.78	17.10 12.08	16.39 11.89	16.39 12.60	16.11 11.38	16.35 11.29	16.34 11.64	15.83 12.08	16.04 12.28	15
16	15.35 12.08	15.71 12.20	16.30 11.87	17.38 12.46	16.73 12.03	16.13 11.80	16.52 12.35	16.14 11.45	16.18 11.82	16.21 11.82	15.76 12.13	16.37 12.37	16
17	15.17 11.92	15.83 12.03	16.51 11.70	17.41 12.41	16.41 11.96	15.72 11.68	16.34 12.04	16.18 11.25	16.26 11.27	16.09 11.84	15.82 12.44	16.27 11.94	17
18	15.30 11.95	16.28 12.33	16.92 11.89	17.38 12.48	16.04 12.08	15.47 11.78	16.32 12.01	15.98 11.26	15.73 11.25	15.75 11.78	15.92 12.60	16.37 11.97	18
19	15.37 12.03	16.33 11.70	17.55 12.19	17.44 12.70	15.93 12.32	15.58 11.82	16.22 11.94	15.86 11.28	15.48 11.38	15.50 11.90	15.97 12.60	16.26 11.78	19
20	15.65 12.12	16.51 11.66	17.29 12.11	17.09 12.70	16.15 12.81	15.59 11.68	16.03 11.92	15.41 11.20	15.46 11.62	15.58 11.81	16.27 12.13	16.30 11.65	20
21	15.88 11.98	16.58 13.33	17.46 14.22	16.44 12.48	16.30 12.85	15.64 11.65	15.71 11.91	15.20 11.31	15.70 11.79	15.72 12.07	16.52 11.95	15.15 11.67	21
22	16.16 12.04	16.39 11.59	17.71 12.55	16.25 12.61	16.29 12.65	15.85 11.96	15.41 11.95	14.86 11.17	15.92 12.10	16.13 12.22	16.70 11.79	16.34 11.73	22
23	16.56 13.35	16.19 11.48	17.05 13.50	16.35 13.82	15.75 12.27	15.83 11.79	14.96 11.61	15.03 11.35	16.10 12.33	16.40 12.14	16.80 11.73	16.41 11.91	23
24	16.53 12.19	15.85 11.45	17.58 13.55	16.91 13.38	15.80 11.70	15.55 11.65	15.17 11.75	15.12 11.35	16.24 12.37	16.71 11.86	15.29 11.78	16.43 12.16	24
25	16.40 12.04	15.72 11.58	18.02 15.22	16.20 12.78	15.54 11.55	15.14 11.51	14.85 11.92	15.40 11.61	16.50 11.95	16.95 11.81	16.89 11.80	16.29 12.39	25
26	16.35 11.94	15.69 11.87	18.15 15.61	15.91 12.33	15.71 11.65	15.07 11.48	15.34 12.01	15.86 11.97	14.58 11.46	14.96 11.62	16.77 11.78	16.21 12.39	26
27	16.01 11.96	15.60 11.97	18.26 15.85	15.87 12.13	16.08 11.78	15.40 11.55	15.61 12.25	14.74 12.12	16.42 11.23	16.87 11.40	16.54 11.78	16.21 12.66	27
28	15.92 11.81	15.72 12.05	18.10 15.22	16.11 12.15	15.81 11.48	15.22 11.40	15.92 12.45	16.73 11.71	16.70 11.24	16.82 11.42	16.29 11.87	16.12 12.17	28
29	15.61 12.05	15.59 12.01	17.93 14.71	16.30 12.21		15.34 11.52	16.05 12.46	16.27 11.56	16.97 11.39	16.73 11.41	15.95 12.04	15.96 12.00	29
30	15.39 11.96	15.75 12.00	17.81 14.38	16.46 12.23		15.56 11.79	16.09 12.03	16.66 11.59	17.14 11.47	16.45 11.40	16.15 12.50	15.75 11.77	30
31	15.67 12.19		17.70 13.61	16.66 12.40		15.95 12.16		17.12 11.72		16.13 11.48	16.18 12.61		31
MAXIMUM	16.58	16.58	18.26	18.02	17.20	16.50	16.61	17.12	17.14	16.95	16.89	16.43	MAXIMUM
MINIMUM	11.81	11.45	11.38	12.13	11.48	11.30	11.72	10.70	11.23	11.19	11.59	11.65	MINIMUM

E - Estimated
NR- No Record

*In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M O B & M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38°04'25"	121°51'18"	SW27 3N 1E		9.2	-/6/58		June 29-Date	1929		-3.05	USGS

Station located 0.4 mi. SW of Collinsville, 3.3 mi. NE of Pittsburg.
Maximum gage height does not indicate maximum discharge.

TABLE B-4

DAILY MAXIMUM AND MINIMUM TIDES *

SUISUN BAY AT BENICIA

STATION NO	WATER YEAR
E03300	1965

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR NR	13.40 8.41	13.48 7.89	13.18 6.78	13.69 7.30	13.17 7.72	13.29 8.39	13.24 8.78	14.42 8.47	14.05 8.44	13.59 7.54	13.32 9.32	1
2	NR NR	12.92 7.45	13.82 8.03	13.43 8.08	13.41 8.48	13.17 8.16	13.28 8.39	13.33 8.40	14.16 8.35	13.49 6.97	13.27 8.04	13.34 8.29	2
3	NR NR	12.90 7.49	12.66 6.55	13.40 8.16	13.30 7.23	13.20 7.55	13.37 7.89	13.41 8.30	13.08 8.37	13.34 7.30	13.29 8.57	13.19 8.35	3
4	NR NR	13.01 7.47	12.51 6.26	13.76 7.20	13.17 7.60	13.24 7.92	13.57 7.78	13.55 8.35	13.65 8.72	12.97 7.47	13.39 8.16	13.15 8.11	4
5	NR NR	13.10 7.45	12.34 6.29	14.22 8.17	13.16 8.13	13.10 8.11	13.67 7.80	13.71 8.88	13.42 8.87	12.80 8.30	13.38 8.28	13.28 7.97	5
6	NR NR	13.08 7.52	12.20 6.25	13.80 8.20	13.27 8.41	13.14 8.40	13.57 7.38	14.71 9.98	12.90 8.75	12.62 8.37	13.34 8.02	13.25 8.03	6
7	NR NR	13.20 7.74	12.06 6.39	12.82 7.84	12.90 9.03	13.24 8.31	13.98 7.55	14.54 8.28	13.16 8.56	13.98 8.34	13.44 7.84	13.29 7.73	7
8	NR NR	13.29 8.20	11.94 6.66	12.36 8.11	12.92 8.85	13.27 8.09	13.90 8.30	14.29 6.46	13.27 8.12	13.67 8.12	13.44 7.59	13.31 7.81	8
9	NR NR	13.20 8.30	11.75 6.67	12.32 9.77	12.80 7.74	13.30 7.90	13.80 7.32	14.58 6.71	13.44 7.88	13.58 8.97	13.50 7.51	12.62 7.87	9
10	NR NR	12.74 11.28	11.46 9.82	12.55 8.48	12.93 7.62	13.29 7.89	14.28 7.52	14.86 8.33	13.64 7.59	13.55 7.64	13.54 7.50	13.43 8.04	10
11	NR NR	12.64 8.06	11.56 6.80	12.89 8.84	13.25 6.82	13.34 7.60	13.44 7.14	13.10 7.54	13.12 7.44	13.56 8.44	14.23 7.57	13.19 8.07	11
12	NR NR	12.40 8.36	11.37 6.70	13.74 8.58	13.47 6.36	13.64 7.47	13.34 7.41	13.32 7.64	12.11 7.12	12.64 7.65	13.37 7.45	13.00 8.21	12
13	NR NR	12.25 7.92	11.30 6.67	13.74 7.55	14.01 6.42	13.34 6.83	13.30 7.60	12.45 7.39	13.27 6.78	13.70 7.43	13.22 7.46	13.06 8.51	13
14	NR NR	12.26 7.56	11.91 7.17	13.92 7.00	14.25 6.41	13.60 7.04	13.47 8.15	13.33 6.88	13.38 6.71	13.41 7.51	13.19 7.77	13.10 8.41	14
15	NR NR	12.29 7.32	12.34 6.95	14.38 6.50	14.26 6.44	13.78 7.20	13.76 8.20	13.26 6.62	13.47 6.60	13.33 7.69	12.90 7.95	13.38 8.53	15
16	12.20 7.84	12.92 7.96	12.81 6.71	14.35 6.14	13.86 6.42	13.54 6.97	13.51 7.69	13.25 6.48	14.24 6.83	13.50 8.87	12.79 8.22	13.48 7.97	16
17	12.24 7.62	13.17 7.57	13.10 6.30	14.45 6.11	13.51 6.69	13.14 7.09	13.03 7.32	13.27 6.49	13.35 8.32	12.00 7.88	13.10 8.67	13.47 10.46	17
18	12.34 7.66	13.50 7.37	13.50 6.37	14.54 6.28	13.09 7.13	14.25 7.48	13.50 7.30	13.32 6.55	12.04 6.95	12.70 7.94	13.16 8.97	13.48 8.16	18
19	12.54 7.81	13.58 6.98	13.98 6.43	14.50 6.74	13.05 7.78	12.96 7.36	13.34 7.20	12.91 6.63	12.58 7.39	12.72 8.25	13.18 8.79	13.39 7.83	19
20	12.90 7.87	13.80 6.82	13.80 6.40	14.08 7.03	13.20 8.38	13.01 7.48	13.15 7.38	12.49 6.83	12.27 7.67	12.89 8.31	13.33 8.30	13.50 7.57	20
21	13.12 7.61	13.78 6.70	13.88 7.01	13.98 7.21	13.27 8.46	13.00 7.54	12.80 7.62	12.19 7.11	12.73 8.07	13.08 8.80	13.63 7.92	13.60 7.41	21
22	13.40 7.51	13.50 6.59	13.87 7.51	13.29 7.96	13.02 8.22	13.07 7.95	12.43 7.61	11.83 7.26	13.04 8.24	13.35 8.79	13.87 7.65	13.70 7.38	22
23	13.60 7.46	13.20 6.70	13.01 7.26	13.35 9.47	12.98 8.07	12.94 7.49	11.98 7.89	11.78 7.51	13.19 8.81	13.80 8.20	14.13 7.39	12.98 7.56	23
24	13.60 7.39	12.80 7.09	13.22 9.76	13.73 8.49	12.65 10.49	12.65 7.80	12.02 7.85	12.21 7.75	13.39 8.47	13.91 7.86	14.26 7.27	13.72 7.81	24
25	13.40 7.39	12.60 10.03	13.67 7.71	13.02 8.37	12.73 7.57	12.27 7.78	12.25 8.00	12.53 8.00	13.65 7.92	14.15 7.36	14.70 7.30	13.60 8.16	25
26	13.28 10.39	12.88 8.27	13.79 6.65	12.64 9.55	12.90 7.46	12.21 7.69	12.62 8.03	13.03 8.38	13.72 7.15	14.24 7.04	14.20 7.25	13.69 8.35	26
27	12.94 7.54	12.83 7.77	14.00 9.23	12.62 7.15	13.18 7.43	12.48 7.49	12.89 8.20	13.28 7.92	13.99 6.61	12.30 6.65	13.99 7.33	13.69 8.08	27
28	12.81 7.57	13.01 8.02	13.86 8.39	12.88 6.95	12.99 7.05	12.36 7.30	13.15 8.17	13.57 7.30	12.19 6.49	14.21 6.55	13.71 7.55	13.53 7.90	28
29	12.70 7.86	12.90 7.93	13.74 8.13	13.12 6.90		12.50 7.32	12.43 8.03	12.19 6.87	14.31 7.65	14.09 6.53	13.39 7.90	13.36 7.80	29
30	12.50 7.68	13.10 7.79	13.70 7.84	13.30 6.85		12.85 7.68	13.23 7.34	13.98 6.84	14.35 6.57	13.82 6.68	13.50 8.44	12.98 7.80	30
31	12.85 7.89		13.55 7.16	13.53 7.09		13.24 8.07		14.31 6.72		13.48 7.09	13.43 8.36		31
MAXIMUM	NR	13.80	14.00	14.54	14.26	14.25	13.90	14.31	14.40	14.24	14.26	13.72	MAXIMUM
MINIMUM	NR	6.59	6.25	6.11	6.36	6.83	7.14	5.88	6.35	6.44	7.25	7.38	MINIMUM

E - Estimated
NR- No Record

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38°02'26"	122°08'44"	SW6 2N 2W		5.7	4/6/58		Jun 29-Apr 40 Apr 40-Date	1929 1940 1942	1940 1942	-2.21 -5.00 0.00	USGS USGS USGS

Station located on inshore side of wharf, immediately SE of Benicia.
Maximum gage height listed does not indicate maximum discharge.
Period of record intermittent from 1929-1940.

TABLE B-5

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision				Change or Revision	
Report	Page	Name	Item	From	To
			1962		
Bull. No. 23-62	394	Suisun Bay at Benicia Arsenal	Daily Maximum and Minimum Tides for the period 3-1-62 to 3-28-62, inclusive.	Published values	2.00 ft. lower than published values.
			Maximum for March 1962	16.72	14.72
			1963		
Bull. No. 130-63	B-7	Suisun Bay at Benicia Arsenal	Maximum Gage Height of Record	6.72	5.7
			Date of Maximum Gage Height of Record	3/5/62	4/6/58
			1964		
Bull. No. 130-64	48	Suisun Bay at Benicia Arsenal	Maximum Gage Height of Record	6.72	5.7
			Date of Maximum Gage Height of Record	3/5/62	4/6/58

Appendix C

GROUND WATER MEASUREMENTS

INTRODUCTION

This appendix includes a figure, three tables, and one plate reporting on ground water conditions in the Central Coastal Area. The reporting period is from July 1, 1964, through September 30, 1965. In future bulletins the reporting period will be the water year.

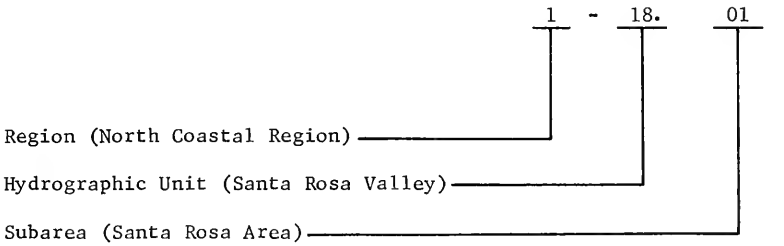
Methods and Procedures

The depth to water in most wells is usually a direct measurement made with a tape; however, in some wells, especially deep ones, measurements are made with an air line and gauge or an electric sounder. Field work was performed by local cooperators, the U. S. Geological Survey and Department personnel. An electronic computer program has been developed to perform a part of the processing and tabulating.

Coding

Region and Basin Numbers

The water pollution control board regions used in this report and shown on Plate 3, "Ground Water Basins or Units in the Central Coastal Area", are geographic areas defined in Section 13040 of the Water Code. Regions, ground water basins or units and subareas are listed by a numbering system as follows:



State Well Number

The state well numbering system used in this report is based on the township, range, and section subdivision of the Public Land Survey.

It is the system used in all ground water investigations made by the Department of Water Resources. In this report, the number of a well, assigned in accordance with this system, is referred to as the State Well Number. Under the system, each section is divided into 40-acre tracts lettered as follows:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Wells are numbered within each 40-acre tract according to the chronological sequence in which they have been assigned State Well Numbers. For example, a well which has the number 16N/12W-17K1,M would be in Township 16 North, Range 12 West, Section 17, Mount Diablo Base and Meridian, and would be further designated as the first well assigned a State Well Number in Tract K.

EXPLANATION OF FIGURES AND TABLES

Hydrographs

Figure C-1, "Fluctuations of Water Levels in Wells", presents hydrographs of 21 selected wells in 19 selected basins or areas. These wells were selected insofar as possible as representative of their respective basins or areas.

Ground Water Level Changes

Table C-1, "Ground Water Level Conditions in the Central Coastal Area, Spring 1965", presents average depths to ground waters and average changes by basin and region from the spring of 1964 to the spring of 1965.

Description of Selected Wells

Table C-2, "Description of Selected Wells", is arranged in region, basin, and well number order, and provides a description of 368 wells for which ground water level data are presented in Table C-3, "Ground Water Levels at Wells".

Agency Well Number

The agency well number is the number assigned to a well by any agency other than the Department of Water Resources in accordance with the numbering system used by that agency. Agencies that use the State well numbering system normally coordinate assignment of well numbers with the Department. These numbers, when common, are not shown in the "Agency Well Number" column; when different, the last five digits are shown in the "Agency Well Number" column.

Agency Supplying Data

Each number in this column is the code number for a cooperating agency. The agency code consists of a five-digit number, the first of which is a region number. Thus, 32100 refers to Agency 2100 in Region 3. Because of the limitations of punch card space, the agency code has been shown as a four-digit number without the region number. Therefore, the four-digit agency code should always be referred to the region in which the well is located.

The first digit of the four-digit agency code, as listed below, designates the type of well numbering system used by the agency.

Code	Well Numbering System
1	Location numbers
2	Monterey County Flood Control and Water Conservation District or Santa Clara Valley Water Conservation District
3	Serial numbers
4	Local numbers
5	State or U. S. Geological Survey
6	U. S. Bureau of Reclamation
7	South San Joaquin Irrigation District

The last three digits of the agency code, as listed below, are numbers that designate, within specified serial limits, the type of agency from which the data were obtained.

Code	Type of Agency
000-049	Federal
050-099	State
100-199	County
200-399	Municipal
400-699	District - Water, Irrigation, Conservation, etc.
700-999	Private

The agencies and code numbers assigned to them in each of the regions are listed in the following tabulation:

Agency Code	Agency
	North Coastal Region (No. 1)
5000	U. S. Geological Survey
5050	Department of Water Resources
	San Francisco Bay Region (No. 2)
2400	Santa Clara Valley Water Conservation District
5000	U. S. Geological Survey
5050	Department of Water Resources
5100	Alameda County Flood Control and Water Conservation District
5101	Napa County
5109	Solano County
5401	Alameda County Water District
	Central Coastal Region (No. 3)
2100	Monterey County Flood Control and Water Conservation District
2400	Santa Clara Valley Water Conservation District
5050	Department of Water Resources
5005	Post Engineer Fort Ord
5101	San Benito County
5102	Santa Cruz County
5117	San Luis Obispo County Flood Control and Water Conservation District
5200	Gilroy, City of
5400	South Santa Clara Valley Water Conservation District

Well Use

The well use is indicated as follows:

Code	Well Use
1	Domestic
2	Irrigation
3	Municipal
4	Industrial
5	Injection or Recharge
6	Drainage
7	Domestic and Irrigation
8	Test, Monitor, Measurement
9	Stock
0	Unused

Well Depth in Feet

Well depths shown were reported by the owner, obtained from a driller's log, or measured at the time of the well canvass.

Data Available

Under this heading, code numbers, as listed below, indicate the type of data that are available with respect to well logs, water analyses, and production records.

Data	Code
Log record	
Log	1
Confidential log (Sec. 7076, Water Code)	2
Water Analyses	
Mineral	1
Sanitary	2
Heavy Metals	3
Mineral and Sanitary	4
Production Record	
Available	1
Pump Test Available	2

Record Begins and Record Ends

The last two digits of the year the record began or ended are shown.

Ground Water Levels at Wells

Table C-3, "Ground Water Levels at Wells", is arranged in region, basin, well number and date order. It includes measurements of depths to water in wells made from July 1, 1964, through September 30, 1965. Table headings discussed below are only those that were not discussed under "Description of Selected Wells".

Ground Surface Elevation in Feet

The numbers in this column give the elevation in feet of the ground surface from which depth to the water surface in the well is reported. The datum used is mean sea level, USC&GS datum, 1929. Elevations of ground surface are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date

The date shown in the column is the date on which the depth measurement, shown in the next column, was made. If the date of the month is unknown, it is indicated by 00.

Ground Surface to Water Surface in Feet

This is the measured depth in feet from the ground surface to the water surface in the well. Certain of the depth measurements in the column may be followed with an asterisk superscript to indicate a questionable measurement. Depth to ground water measurements may be questionable for such reasons as (a) well being pumped while undergoing measurement, (b) nearby pump operating, (c) casing leaking or wet, (d) well pumped recently, (e) air gauge measurement, or (f) recharge operations at well or nearby. The specific reason for any asterisk or any given measurement may be obtained from the Department of Water Resources.

Other symbols used are:

Measurement discontinued	+
Well destroyed	≠
No measurement for other reasons	$

Water Surface Elevation in Feet

This is the elevation in feet of the water surface in the well based on mean sea level, USC&GS datum, 1929. It was derived by subtraction of the depth measurement from the ground surface elevation. Negative values indicate elevations below datum.

The words FLOW and DRY are shown in this column to indicate a flowing or dry well respectively.

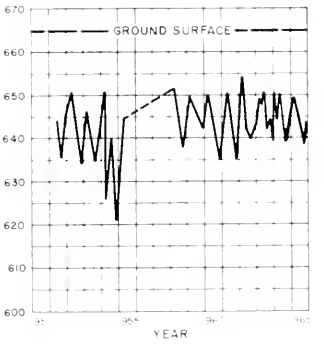
Agency Supplying Data

Each number in this column is the code number for the agency from which the water level data were obtained.

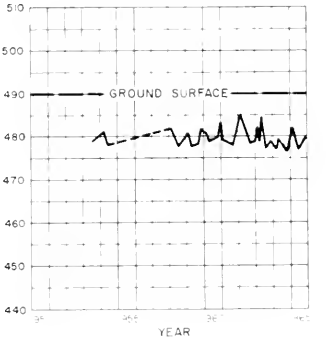
FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS NORTH COASTAL REGION

UKIAH VALLEY (1-15.00)
MENDOCINO COUNTY
WELL 15N/12W-8L1, M.D.B.&M.
GROUND SURFACE ELEVATION 665



SANEL VALLEY (1-16.00)
MENDOCINO COUNTY
WELL 13N/11W-18E1, M.D.B.&M.
GROUND SURFACE ELEVATION 490



ELEVATION IN FEET - USC&GS DATUM

----- CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

SANTA ROSA VALLEY, SONOMA COUNTY (1-18.00)
SANTA ROSA AREA (1-18.01)
WELL 6N/8W-13R1, M.D.B.&M.
GROUND SURFACE ELEVATION 115

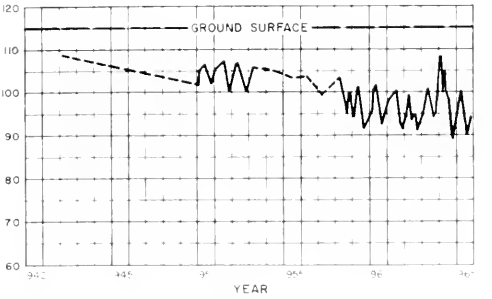


FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS SAN FRANCISCO BAY REGION

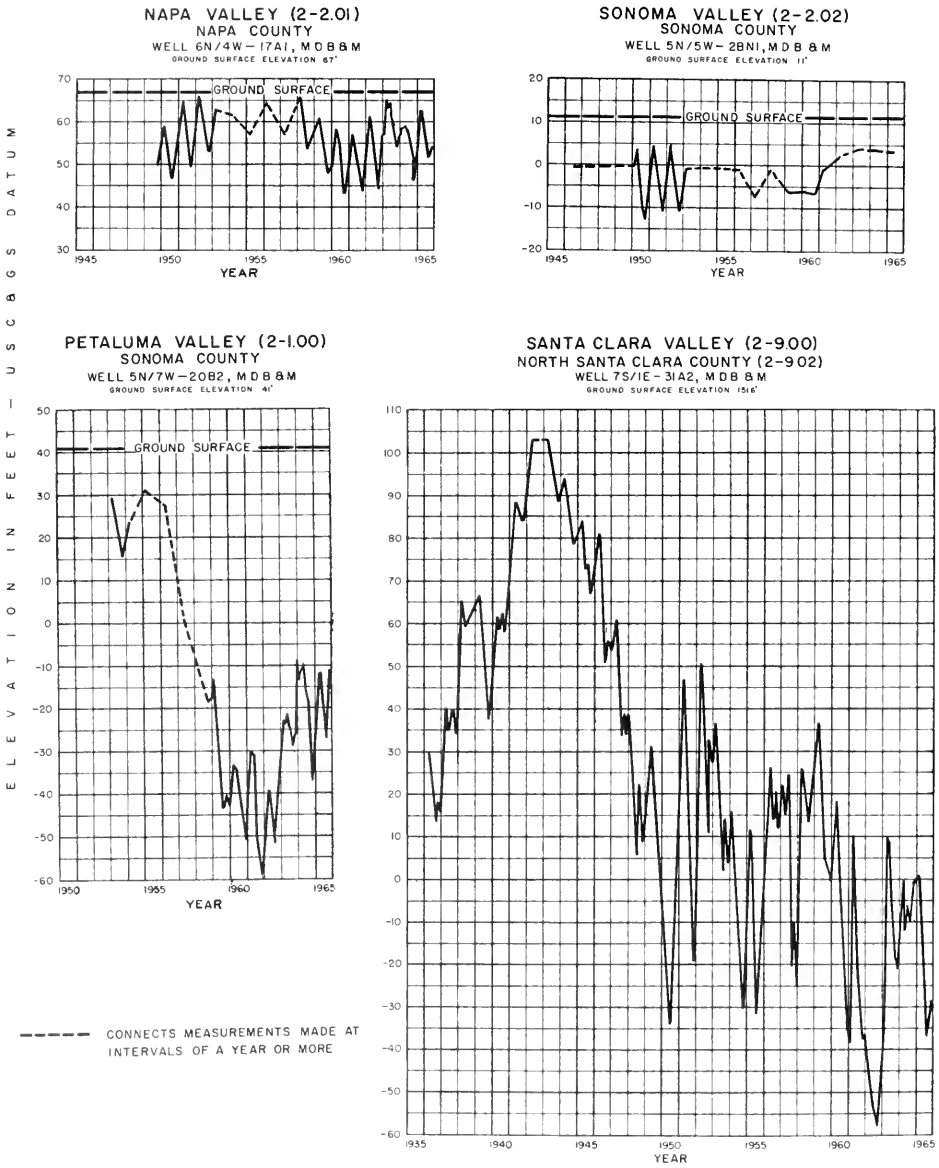


FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS SAN FRANCISCO BAY REGION

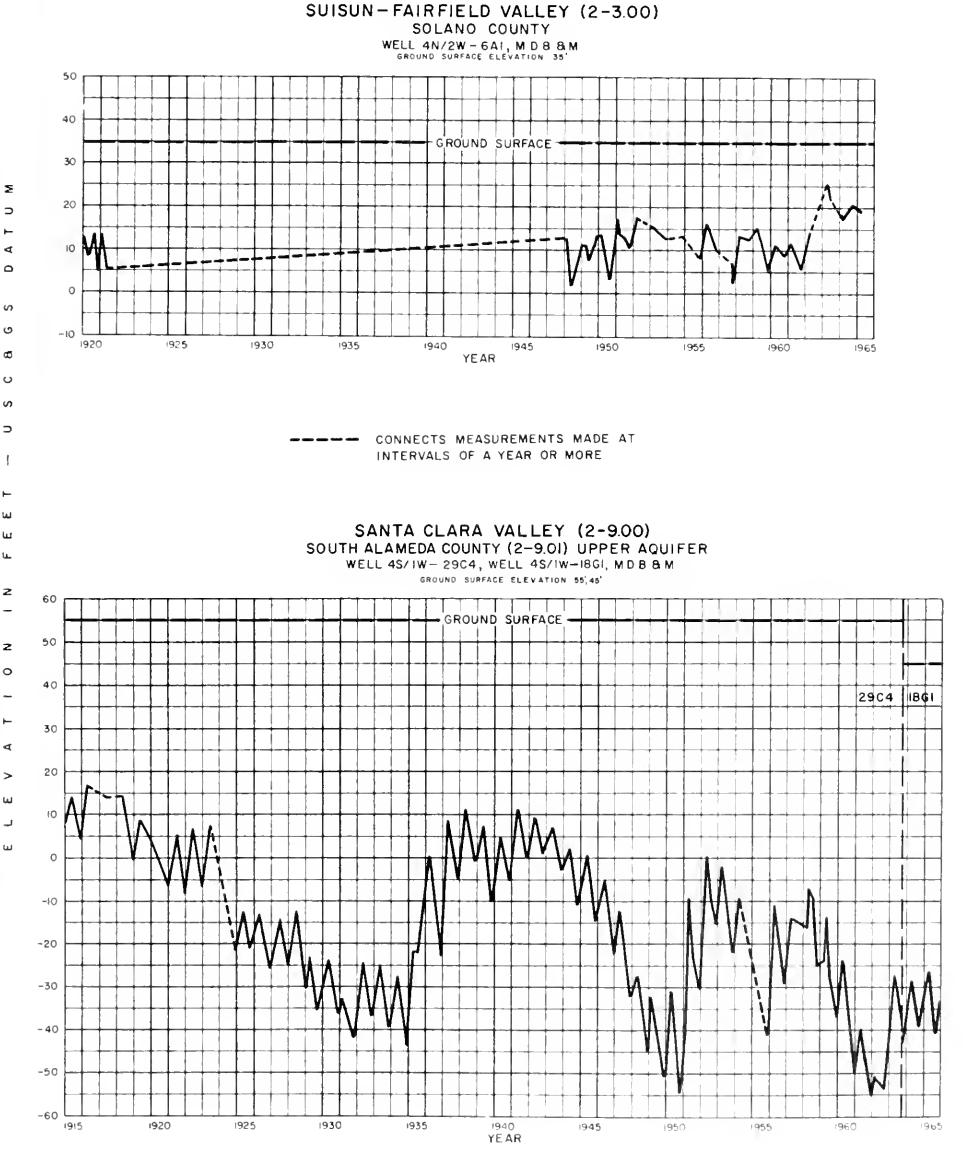


FIGURE CI

FLUCTUATION OF WATER LEVEL IN WELLS SAN FRANCISCO BAY REGION

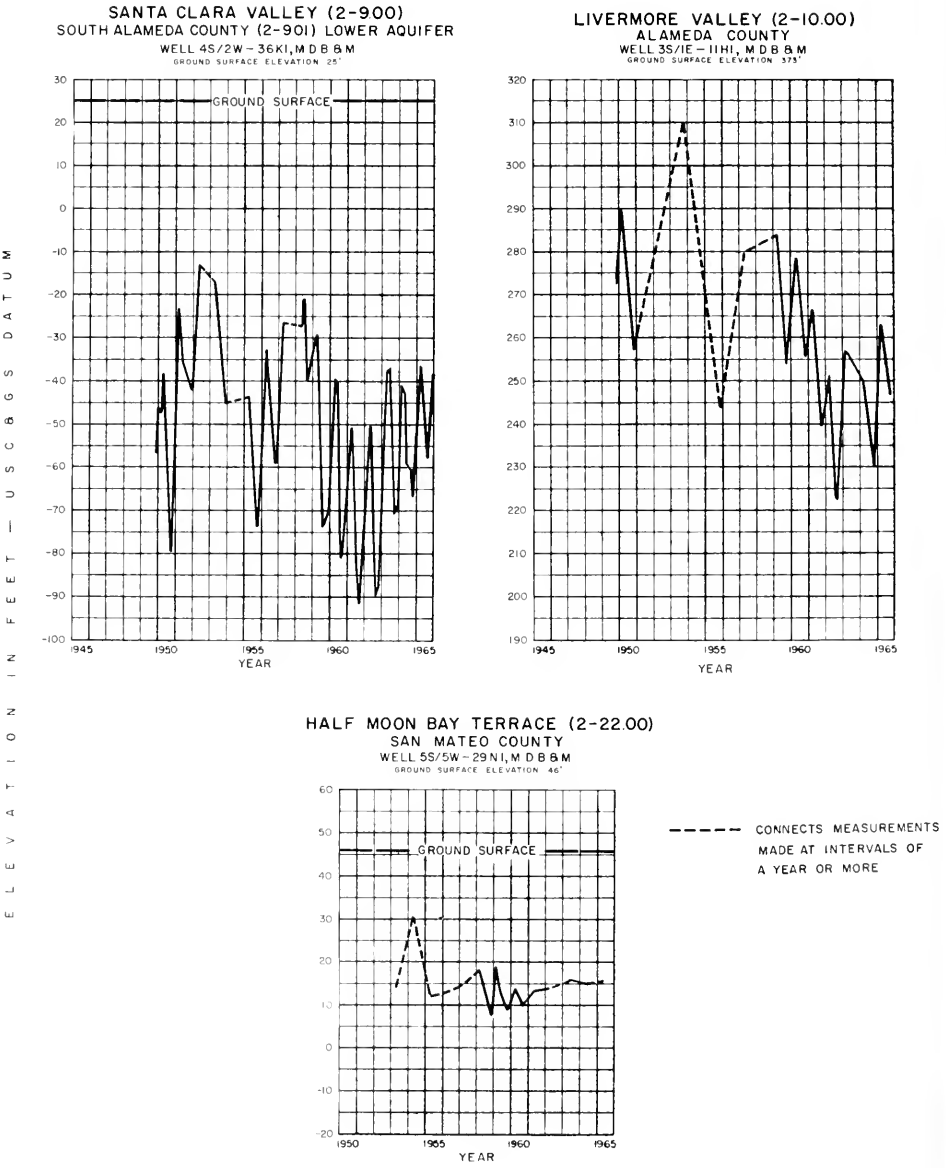


FIGURE CI
FLUCTUATION OF WATER LEVEL IN WELLS CENTRAL COASTAL REGION

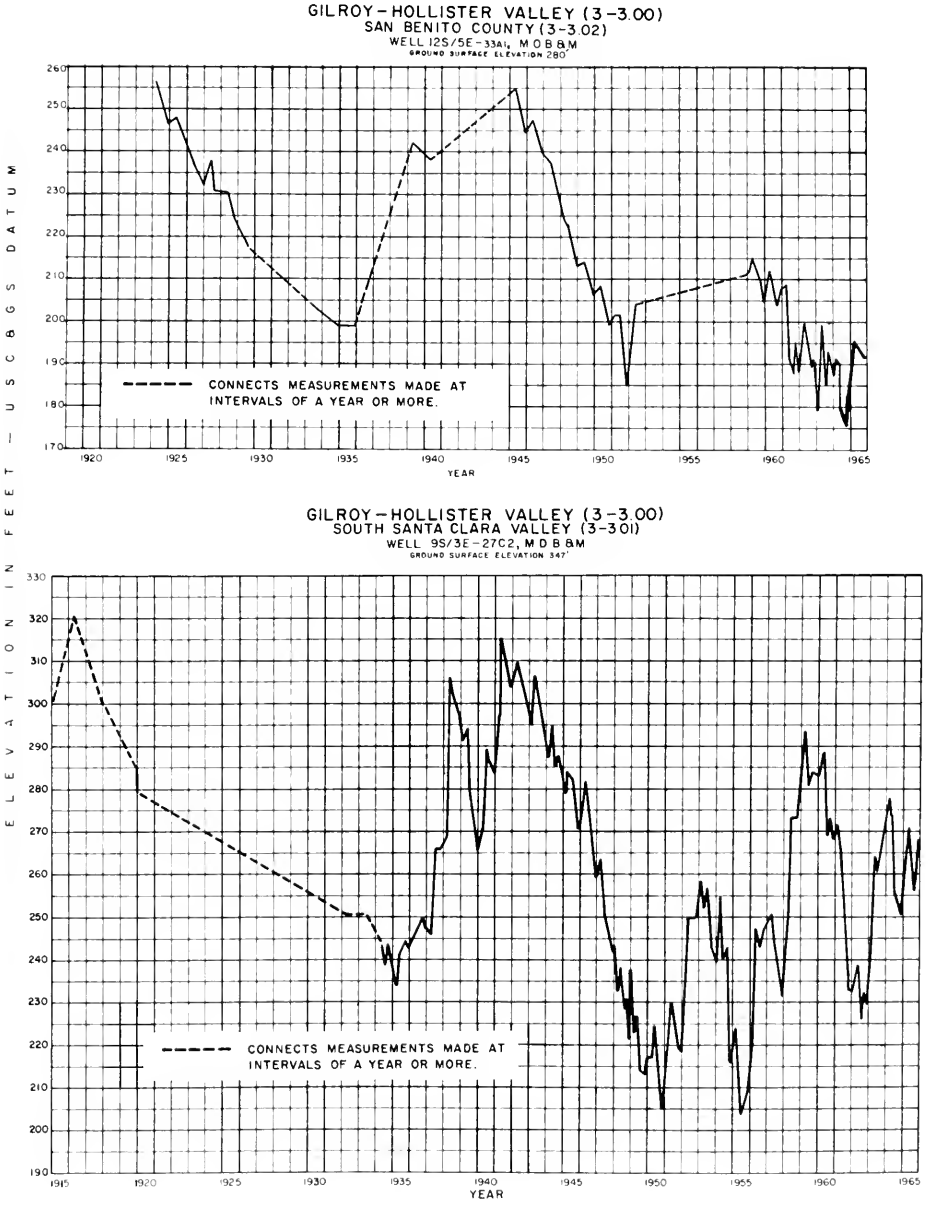
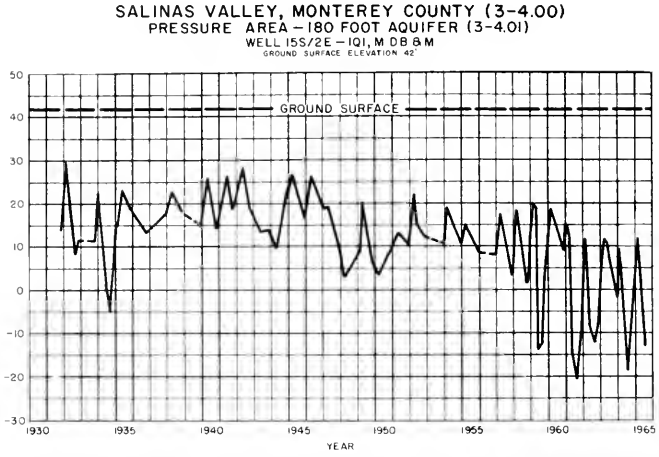
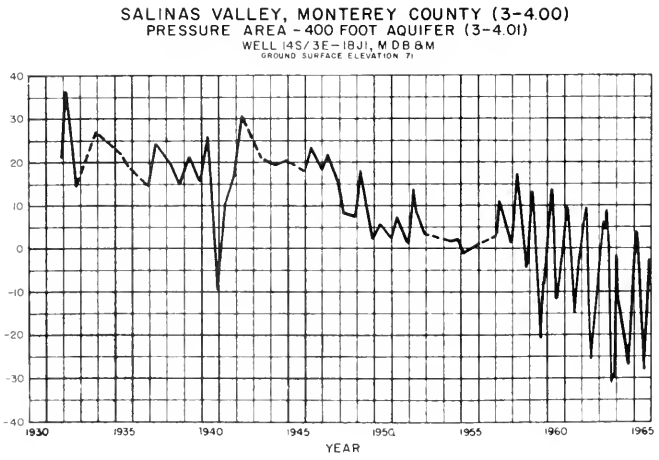


FIGURE CI
FLUCTUATION OF WATER LEVEL
IN WELLS
CENTRAL COASTAL REGION





ELEVATION IN FEET - USC&GS DATUM

FIGURE CI
FLUCTUATION OF WATER LEVEL IN WELLS CENTRAL COASTAL REGION

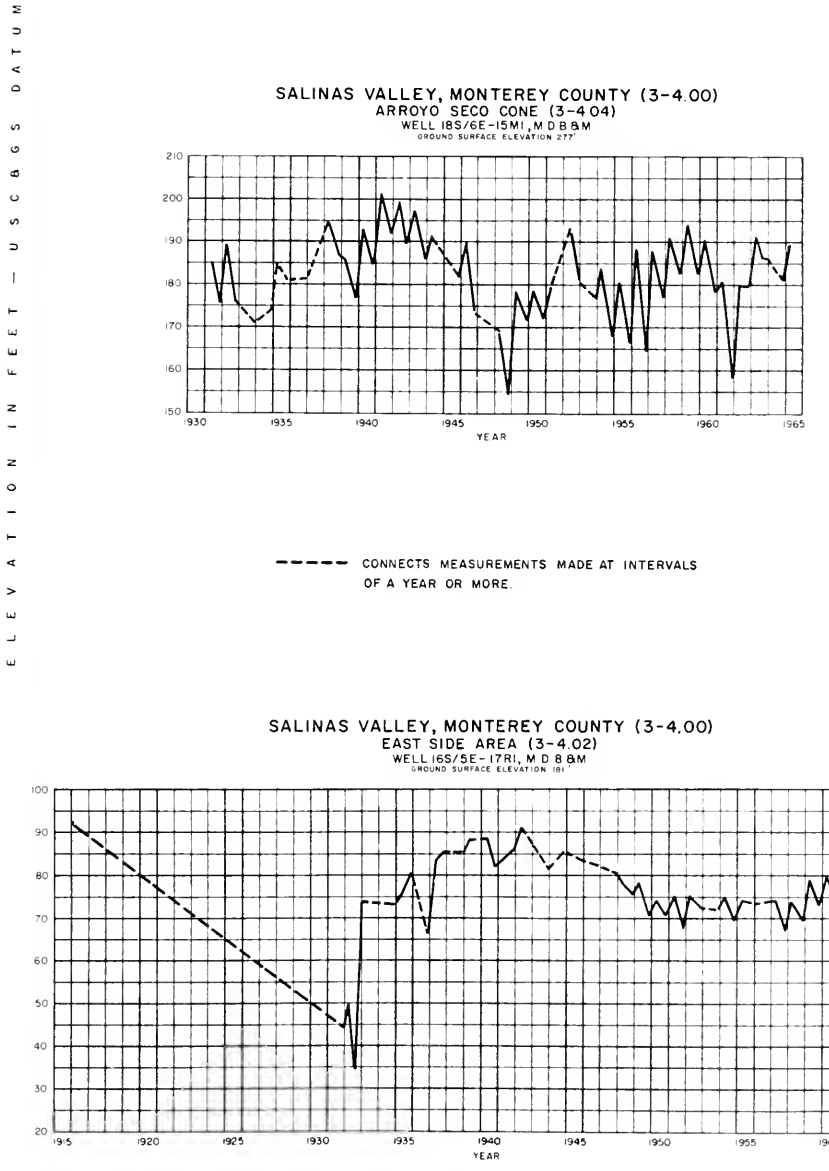


FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS CENTRAL COASTAL REGION

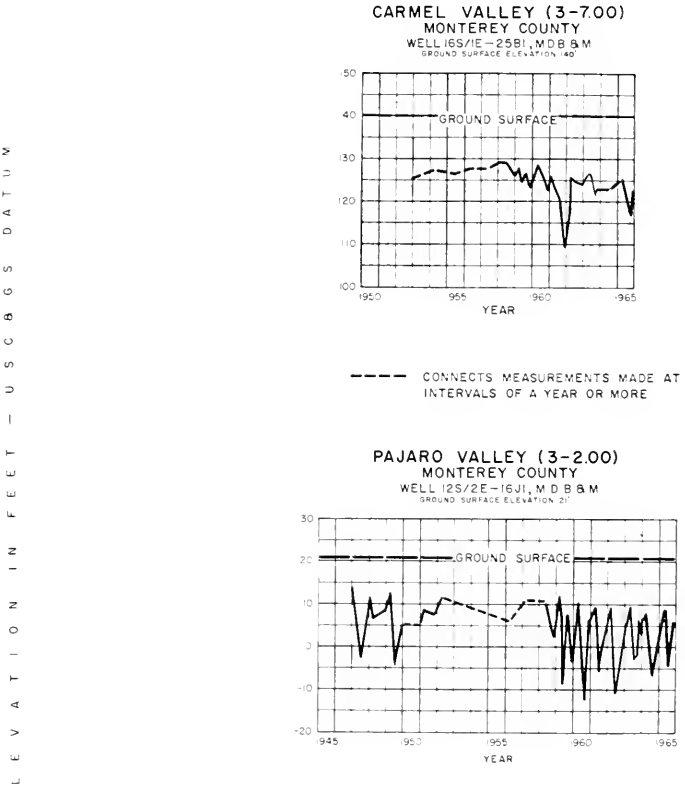


TABLE C-1
GROUND WATER LEVEL CONDITIONS
IN THE CENTRAL COASTAL AREA
SPRING 1965

Ground Water Basin or Unit	Basin Number	Average Change in Ground Water Level 1/ Spring 1964 to Spring 1965 (in feet)	Average Depth to Ground Water Spring 1965 (in feet)
	Region 1		
Potter Valley	1-14.00	+0.1	7.2
Ukiah Valley	1-15.00	+0.8	6.4
Sanel Valley	1-16.00	+1.3	7.0
Alexander Valley	1-17.00	+2.6	6.3
Santa Rosa Valley	1-18.00	+1.3	13.1
Santa Rosa Area	1-18.01	+1.2	12.8
Healdsburg Area	1-18.02	+1.8	14.2
Lower Russian River Valley	1-98.00	+1.3	12.3
	Region 1 Averages: 2/	+1.3	10.3
	Region 2		
Petaluma Valley	2-1.00	+2.3	21.1
Napa-Sonoma Valley	2-2.00	-0.2	14.5
Napa Valley	2-2.01	-0.6	12.0
Sonoma Valley	2-2.02	+0.4	18.4
Suisun-Fairfield Valley	2-3.00	+3.3	5.6
Ygnacio Valley	2-6.00	-0.5	17.9
Santa Clara Valley	2-9.00	-6.4	100.7
East Bay Area	2-9.01	+1.7	58.3
South Bay Area	2-9.02	-11.7	128.0
Livermore Valley	2-10.00	+3.6	63.0
Half Moon Bay Terrace	2-22.00	+0.5	20.4
San Gregorio Valley	2-24.00	+0.3	10.1
Pescadero Valley	2-26.00	+0.1	8.1
	Region 2 Averages: 2/	-1.7	54.1
	Region 3		
Soquel Valley	3-1.00	+2.9	61.2
Pajaro Valley	3-2.00	+1.4	63.4
Gilroy-Hollister Valley	3-3.00	-1.4	50.0
South Santa Clara County	3-3.01	-1.3	40.6
San Benito County	3-3.02	-1.4	84.
Salinas Valley	3-4.00	+0.2	59.4
Pressure Area	3-4.01	+1.1	32.4
East Side Area	3-4.02	+0.7	126.5
Forebay Area	3-4.03	-0.5	44.9
Arroyo Seco Cone	3-4.04	+2.5	90.5
Upper Valley Area	3-4.05	+2.9	62.7
Paso Robles	3-4.06	-0.4	57.2
Corral de Tierra Area	3-4.10	-1.1	63.2
Carmel Valley	3-7.00	+0.7	17.9
West Santa Cruz Terrace	3-26.00	-2.6	33.4
	Region 3 Averages: 2/	-0.2	5..
	Central Coastal Area Averages: 3/	-0.7	53.2

1/ + indicates rise in water level.
- indicates decline in water level.

2/ Region Averages - $\frac{\sum (\text{basin average} \times \text{basin area})}{\sum \text{basin areas}}$

3/ Central Coastal Area Averages - $\frac{\sum (\text{region average} \times \text{region area})}{\sum \text{region areas}}$

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC.	RECORD BEGINS	RECORD ENDS
	NORTH COASTAL REGION								
	POTTER VALLEY			1-14.00					
17N/11W-18J 1 M		5000	1	35				51	
17N/11W-32J 1 M		5000	1	12				51	
	UKIAH VALLEY			1-15.00					
15N/12W- 8L 1 M		5000	1	62				51	
15N/12W-35M 1 M		5000	2	190				51	
	SANEL VALLEY			1-16.00					
13N/11W-18E 1 M		5000	7	52				53	
13N/11W-19P 1 M		5000	2	44				53	
13N/11W-20G 1 M		5000	1	135				53	
	ALEXANDER VALLEY			1-17.00					
10N/09W-18B 1 M		5000	2	180				50	
10N/09W-26L 2 M		5000	1	40				50	
10N/09W-33C 1 M	33B01	5000	1	20				50	
11N/10W- 8P 1 M		5000	1	30				51	
11N/10W-17P 2 M		5000	2	36				53	
11N/10W-19F 2 M		5000	1	334				52	
	SANTA ROSA VALLEY			1-18.00					
	SANTA ROSA AREA			1-18.01					
06N/08W- 7P 2 M		5000	7	120				45	
06N/08W-13R 1 M		5000	1	250				42	
06N/08W-15J 3 M		5050	2	166				54	
06N/08W-15R 1 M		5050	0	1028				51	
07N/06W-19N 1 M		5050	1	149				54	
07N/07W- 6R 1 M		5050	7	133				51	
	SANTA ROSA AREA			1-18.01					
07N/08W-11M 1 M		5050	0	55				54	
07N/08W-24H 2 M		5050	1	74				58	
07N/08W-31C 1 M		5050	0	320				50	6M
07N/09W- 1C 1 M		5050	2	110				54	
07N/09W-35D 2 M		5050	1	187				50	
08N/09W-36N 1 M		5000	0	89				49	
08N/09W-36P 1 M		5050	2	1048				54	
	HEALDSBURG AREA			1-18.02					
08N/09W- 3P 1 M		5000	1	110				50	
08N/09W-22L 1 M		5000	1	44				51	
09N/09W-20E 2 M		5000	7	30				64	
09N/09W-20K 4 M	9N/9W-20J	5000	2					64	
09N/09W-28N 1 M		5000	2	53				53	
09N/10W-12C 1 M		5000	1	28				64	
10N/10W-22D 1 M		5000	2	15				54	
10N/10W-26M 1 M		5000	2	19				54	
10N/10W-35Q 1 M		5000	0	285				54	
	LOWER RUSSIAN RIVER VALLEY			1-98.00					
07N/10W- 6N 1 M	07D01	5000	3	120				58	
07N/11W-14E 1 M		5000	1	47				51	
08N/10W-29D 2 M		5000						61	

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC.	RECORD BEGINS	RECORD ENDS
SAN FRANCISCO BAY REGION									
PETALUMA VALLEY				2-01.00					
03N/06W- 1Q 1 M		5050 1		225				50	
05N/07W-19N 1 M		5050 1		180	2			50	
05N/07W-20B 2 M		5000 9		158				53	
05N/07W-21H 1 M		5000 1		92				59	
05N/07W-26R 1 M		5000 0		428				50	
05N/07W-35K 1 M		5050 2		78				49	
NAPA-SONOMA VALLEY				2-02.00					
NAPA VALLEY				2-02.01					
04N/04W- 2L 1 M		5101 1						64	
04N/04W- 4C 1 M		5101 1		80	2			62	
04N/04W- 5B 1 M		5101 0		29				62	
04N/04W- 5D 2 M		5101 1		60				51	
04N/04W-12M 1 M		5101 1		27				49	
04N/04W-14C 2 M		5101 1		80				62	
04N/04W-25K 1 M		5101 1		14				63	
05N/03W- 5M 1 M		5101 7		130	2			63	
05N/04W- 3G 1 M		5101 0		20				63	
05N/04W- 4G 1 M		5101 1		190	2			62	
05N/04W- 4Q 1 M		5101 1		100	2			62	
05N/04W- 5P 1 M		5101 2						62	
05N/04W- 5P 2 M		5101 1		40				62	
05N/04W-10F 1 M		5101 0		200	2			62	
05N/04W-11F 3 M		5101 1		165				51	
05N/04W-11M 1 M		5000 1		59	1			50	
NAPA VALLEY				2-02.01					
05N/04W-12F 1 M		5101 1		203	2			50	
05N/04W-12H 1 M	5/3-7E3	5101 7		478				49	
05N/04W-13H 1 M		5101 2		364				63	
05N/04W-13H 2 M		5101 0		100				64	
05N/04W-14C 1 M		5101 1		220				49	
05N/04W-15C 2 M		5101 7		66				51	
05N/04W-15E 1 M		5101 7		158				62	
05N/04W-19R 2 M	5/4-19J2	5101 1		108				50	
05N/04W-20R 2 M		5101 1		181				62	
05N/04W-21B 1 M		5101 1		140				51	
05N/04W-22M 1 M		5101 9		99				49	
05N/04W-28R 1 M		5101 2		51	2			18	
05N/04W-29H 1 M		5101 1		45				62	
06N/03W-31B 1 M		5101 0		315	2			18	
06N/03W-31F 1 M	6N/3W-31G1	5101 0		465				49	
06N/03W-31H 1 M		5101 2		330	2			49	
06N/03W-31N 1 M		5101 0		200				37	
06N/03W-31N 2 M		5101 2		232				63	
06N/04W- 5R 1 M	6N/4W-4N1	5101 1		150				50	
06N/04W- 6L 2 M		5101 2		180				63	
06N/04W- 6N 1 M		5101 2		140				63	
06N/04W- 6P 1 M		5101 2		120	2			49	
06N/04W- 7N 1 M		5101 7		90				49	
06N/04W- 8E 1 M		5101 1		32				49	
06N/04W-15Q 1 M		5101 1		303	2			49	

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL	DATA AVAILABLE: PROD REC	RECORD BEGINS	RECORD ENDS
NAPA VALLEY				2-02.01					
06N/04W-16P 1 M		5101	1	76					18
06N/04W-17A 1 M		5000	0	250	1	1			49
06N/04W-18A 2 M		5101	0	106					49
06N/04W-19B 1 M		5101	2	125	2				52
06N/04W-21G 1 M		5101	7	21					49
06N/04W-22P 1 M		5101	1	125					49
06N/04W-23J 1 M		5101	2	700	2				50
06N/04W-26N 1 M		5101	1	150	2				50
06N/04W-27N 1 M		5101	1	120					49
06N/04W-28K 1 M		5101	0	90	2				49
06N/04W-29B 1 M		5101	1	112					49
06N/04W-30C 1 M		5101	0	104	2				62
06N/04W-32J 6 M		5101	1	100					50
06N/04W-32L 2 M		5101	1	290					62
06N/04W-35G 3 M		5101	1	260					50
06N/04W-35L 3 M		5101	2	100					50
06N/04W-36H 1 M		5101	7	525					50
06N/05W-12R 1 M		5101	1	75					49
07N/04W-30L 1 M		5101	1	171	2				49
07N/04W-30M 1 M		5101	0	31					63
07N/04W-31E 1 M		5101	0	272	2				49
07N/04W-32B 2 M		5101	7	150					49
07N/05W- 3G 1 M		5101	0	125					49
07N/05W- 3G 2 M		5101	1						63
07N/05W- 4R 2 M		5101	1	54					49
NAPA VALLEY				2-02.01					
07N/05W- 5A 1 M		5101	2	47					49
07N/05W- 6J 1 M		5101	1	100					49
07N/05W- 8A 1 M		5101	7	129					49
07N/05W- 8M 1 M		5101	1	155					63
07N/05W- 9Q 1 M		5101	2	333	1				49
07N/05W- 9Q 2 M	16802	5000	0	232					49
07N/05W- 9Q 3 M		5101	1	25					49
07N/05W-10C 1 M		5101	2	30					49
07N/05W-14B 2 M	7/5-14G1	5101	2	265	2				49
07N/05W-14J 1 M		5101	1	143					49
07N/05W-15A 1 M		5101	2	355	2				34
07N/05W-15F 1 M	7/5-15L1	5101	2	135					52
07N/05W-16L 1 M		5101	1	221	2				64
07N/05W-16N 2 M		5101	1	321					49
07N/05W-17B 1 M		5101	1	160					63
07N/05W-17B 2 M		5101	1	82					49
07N/05W-21G 1 M	7/5-21K1	5101	1	27					63
07N/05W-22E 3 M		5101	2	40					63
07N/05W-22H 1 M		5101	1	100					63
07N/05W-23D 2 M		5101	2	129					49
07N/05W-23Q 1 M		5101	0	240					63
07N/05W-24P 1 M		5101	2	325					63
07N/05W-25A 1 M		5101	1	57					49
07N/05W-26D 2 M		5101	1	125					62
07N/05W-34C 2 M		5101	7	165					63

TABLE C-2
DESCRIPTION OF SELECTED WELLS
1964-65

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC.	RECORD BEGINS	RECORD ENDS
NAPA VALLEY				2-02.01					
07N/05W-35F 2 M		5101	0	100					48
07N/05W-36N 1 M		5101	7	104	2				49
08N/05W-30P 1 M		5101	2	46					49
08N/05W-31M 1 M		5101	1	34					49
08N/05W-31P 2 M		5101	1	175					49
08N/05W-31R 1 M		5101	2	438					63
08N/06W- 3M 1 M		5101	1	130					49
08N/06W- 4F 1 M		5101	9	207					64
08N/06W- 6L 4 M		5101	1	253					63
08N/06W- 9D 2 M		5101	2	360					63
08N/06W- 9H 1 M		5101	1	210					63
08N/06W- 9H 2 M		5101	1						64
08N/06W-10Q 1 M		5000	9	184	1				49
08N/06W-14N 1 M		5101	1	162					49
08N/06W-14Q 1 M		5101	1	22					49
08N/06W-23M 1 M		5101	1	113					49
08N/06W-24B 1 M		5101	1	106					49
08N/06W-25G 2 M		5101	1	186					64
09N/06W-31Q 1 M		5101	1	51					49
09N/06W-32M 1 M		5101	1	205					49
09N/07W-24L 1 M		5101	1	224					63
09N/07W-25N 1 M		5101	1	149					49
09N/07W-25N 2 M		5101	0	27					49
09N/07W-26P 1 M		5101	0	470	2				49
09N/07W-35K 1 M		5101	0	100	2				49

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC.	RECORD BEGINS	RECORD ENDS
SONOMA VALLEY				2-02.02					
05N/05W-17C 1 M		5000	1	70					50
05N/05W-28N 1 M		5050	2	130	1				46
05N/05W-29N 1 M		5000	2	100					51
05N/05W-30J 3 M		5000	1	80					63
SUISUN-FAIRFIELD VALLEY				2-03.00					
04N/02W- 6A 1 M		5109	0	39					20
04N/02W- 9A 1 M		5050	0	37					48
04N/02W- 9M 1 M		5050	9	180					50
04N/03W- 1D 1 M		5109	1	67					18
05N/01E-36A 1 M		5109	9	38					29
05N/01W- 7E 1 M		5109	9	33					48
05N/02W-21P 3 M		5050	1	204					49
05N/02W-25R 1 M		5050	0	20					48
05N/02W-27J 2 M		5000	0	60					49
05N/02W-29R 1 M		5109	2	120					49
05N/02W-30J 1 M		5000	2	220					49
YGNACIO VALLEY				2-06.00					
01N/01W- 7K 1 M		5050	1						58
01N/02W-11N 1 M		5050	1	81	2				58
01N/02W-13P 1 M		5050	1	60	2				58
02N/02W-27R 1 M		5050	1	131					58
02N/02W-36E 1 M		5050	1	40					58

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC.	RECORD BEGINS	RECORD ENDS
SANTA CLARA VALLEY				2-09.00					
EAST BAY AREA ABOVE HAYWARD FAULT				2-09.01					
04S/01W-35P 3 M		5401	3	400	2			59	
EAST BAY AREA UPPER AQUIFER				2-09.01					
03S/02W- 8N 2 M		5050	2	156				63	
03S/02W- 8R 5 M		5100	1	85				50	
03S/02W-19J 1 M		5050	0	87				58	
03S/03W-24Q 2 M		5100	9	80				49	
04S/01W-18G 1 M		5401	4	160				58	
04S/01W-22P 5 M		5100	2	180				48	
04S/01W-29C 4 M		5401	0	145				50	64
04S/02W-13C 2 M		5401	2	180				49	
04S/02W-24Q 2 M		5100	2					49	
05S/01W- 4F 1 M		5401	0	97				57	
05S/01W- 9Q 1 M		5100	9	60				50	
EAST BAY AREA LOWER AQUIFER				2-09.01					
02S/03W-36R 1 M		5100	2	601				59	
03S/02W-19A 2 M		5050	0	218				50	64
03S/03W-24J 1 M		5100	7	511				49	
03S/03W-36R 3 M		5100	4	350				58	
04S/02W- 2Q 1 M		5401	2	475				50	
04S/02W-35R 2 M		5401	7	224	2			58	
04S/02W-36K 1 M		5401	0	241				49	
05S/01W- 9M 1 M		5401	2	297	1			49	

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC.	RECORD BEGINS	RECORD ENDS
SOUTH BAY AREA				2-09.02					
06S/01E- 7E 1 M	6 C 059	2400	0	525				36	
06S/01E-21R 1 M	8 D 342A	2400	2	560	2			51	
06S/01E-23P 2 M	8 C 127	2400	0	295				36	
06S/01E-30M 1 M	7 E 084	2400	7	250				30	
06S/01W-23E 1 M		5000	2	425				58	
06S/02W-16R 1 M	2 G 005	2400	2					36	
06S/02W-25C 1 M	4 F 030	2400	1	500				30	
06S/02W-35C 1 M	3 G 020	2400	2	480				30	
07S/01E- 1K 1 M	9 D 180A	2400	7	400				36	
07S/01E- 8L 1 M	8 F 274	2400		235				36	
07S/01E- 9D 2 M		5000	3					36	
07S/01E-16C 5 M		5000	3	908				58	
07S/01E-31A 2 M	9 G 148	2400	2					36	
07S/01W-35C 1 M	8 H 117	2400	3	438				36	
07S/02E- 7P 1 M	10 D 403	2400	3	525				57	
07S/02E-17H 1 M	11 D 304	2400		400				31	
07S/02E-33C 1 M	12 E 398	2400		61				55	
07S/02W- 3Q 1 M	4 H 023A	2400	2	800				36	
07S/02W- 4B 1 M	3 H 013	2400	2	450				36	
07S/02W-22A 1 M	4 I 037	2400	2	620				36	
08S/01E- 7H 2 M	9 H 166A	2400		350				54	
08S/01E-13H 1 M	12 G 257	2400	7	110				36	
08S/01W-15B 1 M	8 I 129	2400		64				36	

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC	RECORD BEGINS	RECORD ENDS
SOUTH BAY AREA				2-09.02					
08S/02E-20F 3 M	13 G 297A	2400						40	
08S/02E-22D 1 M	13 F 233	2400	7					36	
09S/02E- 1J 1 M	15 G 238B	2400	7	135				36	
09S/02E- 1M 1 M	15 G 279	2400		114				37	
LIVERMORE VALLEY				2-10.00					
02S/01W-26C 1 M		5100	2	360				48	
02S/02E-25N 1 M		5100						48	
03S/01E- 7Q 1 M		5100	0	287	1			49	
03S/01E- 8J 2 M		5100	2					48	
03S/01E- 9R 2 M		5100	2	353				48	
03S/01E-10Q 2 M		5100	2	187				48	
03S/01E-11H 1 M		5100	7	303				49	
03S/01E-17R 1 M		5100	3	310				61	
03S/01E-19A 3 M		5100	3	395				49	
03S/02E- 2R 1 M		5100	2	437	1			48	
03S/02E-10H 1 M		5100	2	376				48	
03S/02E-16E 2 M		5100	0	540				49	
03S/02E-19D 1 M		5100	0	500				53	
HALF MOON BAY TERRACE				2-22.00					
05S/05W-19J 1 M		5050	2					63	
05S/05W-20L 1 M		5050	0	69				53	
05S/05W-29F 4 M		5050	1					60	
05S/05W-29N 1 M		5050	2	82				53	
05S/05W-32K 1 M		5050	0					53	

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC	RECORD BEGINS	RECORD ENDS
HALF MOON BAY TERRACE				2-22.00					
05S/06W-10J 1 M		5050	2					53	
06S/05W- 8B 1 M		5050	2	85				53	
SAN GREGORIO VALLEY				2-24.00					
07S/05W-13E 1 M		5050	0	45				58	
07S/05W-15C 1 M		5050	2	85				58	
07S/05W-15E 1 M		5050	7					53	
07S/05W-15E 2 M		5050	1					53	
07S/05W-15H 2 M		5050	1					60	
PESCADERO VALLEY				2-26.00					
08S/05W- 9H 1 M		5050	2					53	
08S/05W-10K 1 M		5050	1	25				53	
08S/05W-11F 1 M		5050	1	20				53	
08S/05W-11K 2 M		5050	1	40				58	
08S/05W-11M 1 M		5050	1	36				53	

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC	RECORD BEGINS	RECORD ENDS
CENTRAL COASTAL REGION									
SOQUEL VALLEY				3-01.00					
11S/01W- 9L 1 M		5050	0						48
11S/01W-10C 1 M		5050	2						48
11S/01W-15E 2 M		5050	0	102					63
11S/01W-15R 1 M		5050	0						48
PAJARO VALLEY				3-02.00					
11S/02E-27A 1 M		5050	7	250					62
12S/01E-24C 1 M		5050	2	200					47
12S/02E-11E 4 M		5050	7						47
12S/02E-16J 1 M		5050	2						47
12S/02E-31K 1 M		2100	2	219					47
13S/01E- 1A 1 M		2100	7						47
13S/02E- 5B 1 M		5050		225					58
13S/02E- 6B 1 M		5050	0	122					47
13S/02E- 6C 1 M		2100	2	198					47
13S/02E- 6E 2 M		2100	2	350					47
13S/02E- 6E 3 M		2100	2	192	2				47
GILROY-HOLLISTER VALLEY				3-03.00					
SOUTH SANTA CLARA COUNTY				3-03.01					
09S/03E-16J 1 M	17-G-370	2400	2	400					48
09S/03E-21K 2 M	17-G-371	2400	2	225					48
09S/03E-22B 3 M	18-G-372	2400	2	340					48
09S/03E-23E 1 M	18-G-373	2400	2	420					48
09S/03E-26P 1 M	18-G-376	2400							48
09S/03E-27C 2 M	374	2400	7	300					43
09S/03E-29B 1 M		5050	0	170					48
09S/03E-34D 2 M	18-H-375A	2400	7	375					58
09S/03E-34Q 1 M	18-H-380	2400	7	195	2				48
09S/03E-36E 2 M	19-G-378	2400	7	263	2				48
09S/03E-36F 3 M	19-G-495	2400	2	472	2				57
10S/03E- 2K 3 M		5050	7	350					60
10S/03E-13J 3 M		5050	0	253	2				60
10S/03E-36E 3 M		5050	1						63
10S/04E-18G 2 M		5050	7	184					48
10S/04E-31G 4 M		5200	3	328	2				64
10S/04E-35E 1 M		5050	2	447					48
11S/03E- 1B 1 M		5400	2						57
11S/04E- 6B 1 M		5200	3	701	2				32
11S/04E- 6D 1 M		5200	3	470	2				47
11S/04E- 6H 1 M		5200	3	346					56
11S/04E- 6P 2 M		5200	3	302	2				60
11S/04E- 8K 2 M		5050	1						60
SAN BENITO COUNTY				3-03.02					
11S/05E-13D 1 M		5050	2	125					37
12S/04E-20C 1 M		5101	2	736	1				49
12S/05E-10R 1 M		5050	0	108					49
12S/05E-12M 4 M		5050	0						63

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE			RECORD BEGINS	RECORD ENDS
					LOG	WATER ANAL	PROD REC		
SAN BENITO COUNTY				3-03.02					
12S/05E-33A 1 M		5050	2	150					24
12S/05E-35N 2 M		5050	2	203					63
13S/05E-11Q 1 M		5101	0	44					24
SALINAS VALLEY				3-04.00					
PRESSURE AREA 180 FOOT AQUIFER				3-04.01					
14S/02E- 3C 1 M	02B 001	2100	2						31
14S/02E-15L 1 M	02C 025A	2100	2	176					16
15S/02E- 1Q 1 M	02D 023	2100	7	196	1				31
15S/03E-16M 1 M	03D 040	2100	2						31
15S/04E-33A 1 M	04D 056	2100	2	279	1				31
16S/04E-11D 1 M	04E 030D	2100	1						31
PRESSURE AREA 400 FOOT AQUIFER				3-04.01					
13S/02E-31Q 1 M	01B 011A	2100	2	500	1				31
14S/03E-18J 1 M	02C 119	2100	2	513	1				31
EAST SIDE AREA				3-04.02					
16S/05E-17R 1 M	05E 026	2100	2	299					16
ARROYO SECO CONE				3-04.04					
18S/06E-15M 1 M	07G 029	2100	2	288	1				31
19S/06E-11C 1 M	07H 036	2100	2	320					44
UPPER VALLEY AREA				3-04.05					
19S/07E-10P 1 M	08H 031	2100	2	245					31
20S/08E- 5R 1 M	091 004	2100	2	372					16
21S/09E- 6K 1 M	10J 001	2100	2						16
21S/10E-32N 1 M	11K 002	2100	2						31
UPPER VALLEY AREA				3-04.05					
22S/10E-16K 1 M	12K 003	2100	2						31
PASO ROBLES				3-04.06					
24S/10E-11C 1 M		5117							
24S/11E-25N 1 M		5117							
24S/11E-33R 1 M		5117							
24S/11E-35J 1 M		5117							
24S/12E-17N 1 M		5117							
24S/15E-33C 1 M		5117							
25S/11E-35G 1 M		5117							
25S/12E-17J 1 M		5117							
25S/12E-17R 1 M		5117							
25S/12E-26K 1 M		5117							
25S/13E-11E 1 M		5117							
25S/16E-17L 1 M		5117							
25S/16E-30M 1 M		5117							
26S/12E- 4N 1 M		5117							
26S/12E-26E 1 M		5117							
26S/12E-35M 1 M		5117							
26S/13E-10D 1 M		5117							
26S/13E-34B 1 M		5117							
26S/14E-16L 1 M		5117							
26S/14E-35D 1 M		5117							
26S/15E- 2B 1 M		5117							
26S/15E-28Q 2 M		5117							

TABLE C-2

DESCRIPTION OF SELECTED WELLS

1964-65

STATE WELL NUMBER	AGENCY WELL NUMBER	AGENCY SUPPLYING DATA	WELL USE	WELL DEPTH IN FEET	DATA AVAILABLE: LOG	DATA AVAILABLE: WATER ANAL.	DATA AVAILABLE: PROD REC	RECORD BEGINS	RECORD ENDS
PASO ROBLES		3-04.06							
26S/15E-29N 1 M		5117							
27S/12E-21N 1 M		5117							
27S/13E-24N 1 M		5117							
27S/13E-32B 1 M		5117							
27S/15E-10R 2 M		5117							
27S/15E-13A 1 M		5117							
27S/16E-21E 2 M		5117							
28S/12E-10G 1 M		5117							
28S/12E-10R 2 M		5117							
28S/12E-13N 1 M		5117							
28S/12E-14G 1 M		5117							
28S/13E- 4K 1 M		5117							
28S/13E- 4K 2 M		5117							
28S/14E- 7E 1 M		5117							
28S/16E-23M 1 M		5117							
29S/13E- 5F 3 M		5117							
29S/13E- 5K 2 M		5117							
29S/13E- 6A 1 M		5117							
29S/13E-19H 1 M		5117							
SEASIDE AREA			3-04.08						
14S/02E-31M 1 M		5005	3	258	2				
15S/01E-14N 1 M		5005	2	750	2				
CARMEL VALLEY			3-07.00						
16S/01E-16L 1 M		2100	1						61
CARMEL VALLEY			3-07.00						
16S/01E-22E 1 M		2100	2						58
16S/01E-23F 1 M		2100	2						58
16S/01E-25B 1 M		2100	7	60					52
WEST SANTA CRUZ TERRACE			3-26.00						
11S/02W-22K 1 M		5102	2						54

TABLE C-3

GROUND WATER LEVELS AT WELLS

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
POTTER VALLEY			1-14.00		
17N/11W-18J 1 M	955.0	7-14-64	2.4*	952.6	5000
		8-18-64	.8	954.2	
		9-15-64	1.2	953.8	
		10-13-64	5.2*	949.8	
		11-17-64	$		
		12-15-64	$		
		1-19-65	$		
		2-16-65	$		
		3-16-65	.5	954.5	
		4-14-65	1.2	953.8	
		5-18-65	.8	954.2	
		6-15-65	.1	954.9	
		7-13-65	1.0	954.0	
		8-18-65	.4	954.6	
		9-23-65	.1	954.9	
17N/11W-32J 1 M	895.0	7-14-64	.6	894.4	5000
		8-18-64	0.0	895.0	
		9-15-64	2.0	893.0	
		10-13-64	3.9	891.1	
		11-17-64	1.0	894.0	
		12-15-64	.5	894.5	
		1-19-65	1.2	893.8	
		2-16-65	1.5	893.5	
		3-16-65	2.2	892.8	
		4-14-65	2.2	892.8	
		5-18-65	3.2	891.8	
		6-15-65	4.0	891.0	
		7-13-65	3.5	891.5	
		8-18-65	3.5	891.5	
		9-23-65	3.2	891.8	
UKIAH VALLEY			1-15.00		
15N/12W- 8L 1 M	665.0	7-14-64	23.8	641.2	5000
		8-18-64	24.8	640.2	
		9-15-64	25.3	639.7	
		10-13-64	26.1	638.9	
		11-17-64	23.1	641.9	
		12-15-64	19.0	646.0	
		1-19-65	15.7	649.3	
		2-16-65	20.8	644.2	
		3-16-65	22.0	643.0	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
UKIAH VALLEY			1-15.00		
15N/12W- 8L 1 M	665.0	4-14-65	20.7	644.3	5000
		5-18-65	18.9	646.1	
		6-15-65	21.0	644.0	
		7-13-65	22.3	642.7	
		8-18-65	23.8	641.2	
		9-19-65	25.4	639.6	
15N/12W-35M 1 M	600.0	7-14-64	4.8	595.2	5000
		8-18-64	2.2	597.8	
		9-15-64	7.6	592.4	
		10-13-64	7.6	592.4	
		11-17-64	5.5	594.5	
		12-15-64	$		
		1-19-65	1.8	598.2	
		2-16-65	3.5	596.5	
		3-16-65	5.6*	594.4	
		4-14-65	4.9	595.1	
		5-18-65	6.4*	593.6	
		6-15-65	6.7*	593.3	
		7-13-65	4.8	595.2	
		8-18-65	5.5	594.5	
		9-21-65	7.3	592.7	
SANEL VALLEY			1-16.00		
13N/11W-18E 1 M	490.0	7-14-64	$		5000
		8-18-64	$		
		9-15-64	$		
		10-13-64	13.2	476.8	
		11-17-64	10.9	479.1	
		12-15-64	11.1	478.9	
		1-19-65	8.2	481.8	
		2-16-65	9.9	480.1	
		3-16-65	10.9	479.1	
		4-14-65	9.4*	480.6	
		5-18-65	$		
		6-15-65	12.3*	477.7	
		7-13-65	12.5*	477.5	
		8-18-65	$		
		9-21-65	$		
13N/11W-19P 1 M	488.0	7-14-64	15.9	472.1	5000
		8-17-64	17.8	470.2	
		9-15-64	18.6	469.4	
		10-13-64	18.8	469.2	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
SANEL VALLEY			1-16.00		
13N/11W-19P 1 M	488.0	11-17-64	10.2	477.8	5000
		12-15-64	10.0	478.0	
		1-19-65	8.3	479.7	
		2-16-65	9.0	479.0	
		3-16-65	9.8	478.2	
		4-14-65	8.3	479.7	
		5-17-65	9.3	478.7	
		6-15-65	11.5	476.5	
		7-13-65	13.7	474.3	
		8-18-65	16.5	471.5	
		9-20-65	18.1	469.9	
13N/11W-20G 1 M	515.0	7-14-64	8.4	506.6	5000
		8-17-64	11.9	503.1	
		9-15-64	13.0	502.0	
		10-13-64	12.8	502.2	
		11-17-64	5.6	509.4	
		12-15-64	4.8	510.2	
		1-19-65	4.5	510.5	
		2-16-65	4.8	510.2	
		3-16-65	5.4*	509.6	
		4-14-65	4.8	510.2	
		5-17-65	5.0	510.0	
		6-15-65	5.2	509.8	
		7-13-65	7.4	507.6	
		8-18-65	10.8	504.2	
		9-21-65	12.1	502.9	
ALEXANDER VALLEY			1-17.00		
10N/09W-18B 1 M	230.0	7-14-64	$		5000
		8-18-64	$		
		9-15-64	19.9	210.1	
		10-13-64	20.4	209.6	
		11-17-64	17.6	212.4	
		12-15-64	18.1	211.9	
		1-19-65	14.3	215.7	
		2-16-65	15.7	214.3	
		3-16-65	17.1	212.9	
		4-14-65	15.9	214.1	
		5-17-65	17.1	212.9	
		6-15-65	20.5	209.5	
		7-13-65	$		
		8-18-65	19.7	210.3	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
ALEXANDER VALLEY			1-17.00		
10N/09W-18B 1 M	230.0	9-21-65	20.9	209.1	5000
10N/09W-26L 2 M	205.0	7-14-64	13.6	191.4	5000
		8-18-64	19.6	185.4	
		9-15-64	22.8	182.2	
		10-13-64	26.3	178.7	
		11-17-64	18.2	186.8	
		12-15-64	15.2	189.8	
		1-19-65	2.1	202.9	
		2-16-65	2.6	202.4	
		3-16-65	2.5	202.5	
		4-14-65	1.9	203.1	
		5-17-65	3.4	201.6	
		6-15-65	10.2*	194.8	
		7-13-65	11.8	193.2	
		8-18-65	16.3	188.7	
		9-21-65	18.9	186.1	
10N/09W-33C 1 M	180.0	7-14-64	8.4	171.6	5000
		8-18-64	8.2	171.8	
		9-15-64	8.2	171.8	
		10-13-64	8.8	171.2	
		11-17-64	5.3	174.7	
		12-15-64	6.2	173.8	
		1-19-65	3.0	177.0	
		2-16-65	4.6	175.4	
		3-16-65	5.8	174.2	
		4-14-65	4.0	176.0	
		5-17-65	5.9	174.1	
		6-14-65	7.4	172.6	
		7-13-65	8.0	172.0	
		8-18-65	$		
		9-21-65	7.4	172.6	
11N/10W- 8P 1 M	305.0	7-14-64	12.8	292.2	5000
		8-18-64	12.8	292.2	
		9-15-64	13.0	292.0	
		10-13-64	$		
		11-17-64	10.5	294.5	
		12-15-64	10.8	294.2	
		1-19-65	4.4	300.6	
		2-16-65	8.6	296.4	
		3-16-65	10.4	294.6	
		4-14-65	9.8	295.2	
		5-17-65	8.0	297.0	
		6-15-65	12.2*	292.8	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
ALEXANDER VALLEY			1-17.00		
11N/10W- 8P 1 M	305.0	7-13-65	12.9*	292.1	5000
		8-18-65	12.3	292.7	
		9-21-65	12.4	292.6	
11N/10W-17P 2 M	292.0	7-14-64	$		5000
		8-18-64	11.0	281.0	
		9-15-64	$		
		10-13-64	10.6	281.4	
		11-17-64	8.3	283.7	
		12-15-64	8.8	283.2	
		1-19-65	5.2	286.8	
		2-16-65	7.6	284.4	
		3-16-65	8.8	283.2	
		4-14-65	8.0	284.0	
		5-17-65	10.1	281.9	
		6-15-65	10.1	281.9	
		7-13-65	10.7	281.3	
		8-18-65	$		
		9-21-65	11.1	280.9	
11N/10W-19F 2 M	346.0	7-14-64	8.9	337.1	5000
		8-18-64	11.2	334.8	
		9-15-64	17.3	328.7	
		10-13-64	13.2	332.8	
		11-17-64	5.5	340.5	
		12-15-64	4.7	341.3	
		1-19-65	3.4	342.6	
		2-16-65	3.7	342.3	
		3-16-65	4.0	342.0	
		4-14-65	3.6	342.4	
		5-17-65	4.4	341.6	
		6-15-65	6.0	340.0	
		7-13-65	7.7	338.3	
		8-18-65	9.7	336.3	
		9-21-65	11.1	334.9	
SANTA ROSA VALLEY			1-18.00		
SANTA ROSA AREA			1-18.01		
06N/08W- 7P 2 M	95.0	7-13-64	22.7	72.3	5000
		8-18-64	27.0	68.0	
		9-15-64	25.4	69.6	
		10-13-64	26.2	68.8	
		11-17-64	22.0	73.0	
		12-15-64	19.2	75.8	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
SANTA ROSA AREA			1-18.01		
06N/08W- 7P 2 M	95.0	1-18-65	13.8	81.2	5000
		2-15-65	13.2	81.8	
		3-16-65	$		
		4-14-65	13.4	81.6	
		5-18-65	13.8	81.2	
		6-14-65	17.3	77.7	
		7-12-65	21.1	73.9	
		8-16-65	27.7	67.3	
		9-21-65	28.6	66.4	
06N/08W-13R 1 M	115.0	7-13-64	$		5000
		8-18-64	22.5	92.5	
		9-14-64	24.4	90.6	
		10-12-64	25.8	89.2	
		11-16-64	23.3	91.7	
		12-15-64	21.7	93.3	
		1-18-65	17.8	97.2	
		2-15-65	16.3	98.7	
		3-16-65	14.8	100.2	
		4-14-65	14.4	100.6	
		5-18-65	15.6	99.4	
		6-14-65	18.7	96.3	
		7-12-65	20.6	94.4	
		8-16-65	23.1	91.9	
		9-21-65	24.8	90.2	
06N/08W-15J 3 M	95.0	3-22-65	12.8	82.2	5050
06N/08W-15R 1 M	95.0	3-22-65	19.7	75.3	5050
07N/06W-19N 1 M	465.0	3-24-65	8.7	456.3	5050
07N/07W- 6R 1 M	275.0	3-23-65	8.0	267.0	5050
07N/08W-11M 1 M	160.0	3-22-65	7.2	152.8	5050
07N/08W-24H 2 M	190.0	3-23-65	13.6	176.4	5050
07N/08W-31C 1 M	0	3-23-65	#		5050
07N/09W- 1C 1 M	90.0	3-22-65	24.6	65.4	5050
07N/09W-35D 2 M	135.0	3-22-65	33.0	102.0	5050
08N/09W-36N 1 M	90.0	7-13-64	9.2	80.8	5000
		8-18-64	9.6	80.4	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
SANTA ROSA AREA			1-18.01		
08N/09W-36N 1 M	90.0	9-15-64	10.1	79.9	5000
		10-13-64	10.8	79.2	
		11-17-64	9.8	80.2	
		12-15-64	9.5	80.5	
		1-18-65	7.9	82.1	
		2-15-65	4.5	85.5	
		3-16-65	5.7	84.3	
		4-14-65	5.7	84.3	
		5-18-65	6.1	83.9	
		6-14-65	7.2	82.8	
		7-12-65	7.8	82.2	
		8-16-65	8.6	81.4	
		9-21-65	9.3	80.7	
08N/09W-36P 1 M	90.0	3-23-65	29.2	60.8	5050
HEALDSBURG AREA			1-18.02		
08N/09W- 3P 1 M	77.0	7-14-64	$		5000
		8-18-64	6.8	70.2	
		9-15-64	7.0	70.0	
		10-13-64	7.0	70.0	
		11-17-64	$		
		12-15-64	$		
		1-19-65	$		
		2-16-65	10.6	66.4	
		3-16-65	$		
		4-14-65	$		
		5-18-65	$		
		6-14-65	$		
		7-13-65	$		
		8-16-65	$		
		9-21-65	$		
08N/09W-22L 1 M	67.0	7-14-64	28.5	38.5	5000
		8-18-64	$		
		9-15-64	24.0	43.0	
		10-13-64	$		
		11-17-64	$		
		12-15-64	$		
		1-19-65	21.9	45.1	
		2-16-65	25.0	42.0	
		3-16-65	$		
		4-14-65	25.2	41.8	
		5-18-65	25.8	41.2	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
HEALDSBURG AREA			1-18.02		
08N/09W-22L 1 M	67.0	6-14-65	27.3	39.7	5000
		7-13-65	28.7	38.3	
		8-16-65	$		
		9-21-65	29.9	37.1	
09N/09W-20E 2 M	100.0	7-14-64	14.1	85.9	5000
		8-18-64	14.7	85.3	
		9-15-64	15.8	84.2	
		10-13-64	$		
		11-17-64	12.9	87.1	
		12-15-64	13.2	86.8	
		1-19-65	12.6	87.4	
		2-16-65	13.1	86.9	
		3-16-65	13.5	86.5	
		4-14-65	12.8	87.2	
		5-17-65	14.0	86.0	
		6-14-65	14.3	85.7	
		7-13-65	14.5	85.5	
		8-18-65	14.7	85.3	
		9-21-65	$		
09N/09W-20K 4 M	97.0	7- 0-64	$		5000
		8-18-64	$		
		9-15-64	6.8	90.2	
		10-13-64	7.6	89.4	
		11-17-64	4.2	92.8	
		12-15-64	4.1	92.9	
		1-19-65	1.3	95.7	
		2-16-65	6.2	90.8	
		3-16-65	1.7	95.3	
		4-14-65	2.3	94.7	
		5-17-65	3.3	93.7	
		6-14-65	4.2	92.8	
		7-13-65	5.3	91.7	
		8-18-65	5.2	91.8	
		9-21-65	6.4	90.6	
09N/09W-28N 1 M	90.0	7-14-64	18.9	71.1	5000
		8-18-64	21.3	68.7	
		9-15-64	22.7	67.3	
		10-13-64	23.6	66.4	
		11-17-64	13.8	76.2	
		12-15-64	14.6	75.4	
		1-19-65	13.6	76.4	
		2-16-65	14.3	75.7	

TABLE C-3
GROUND WATER LEVELS AT WELLS

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
HEALDSBURG AREA			1-18.02		
09N/09W-28N 1 M	90.0	3-16-65	14.9	75.1	5000
		4-14-65	13.7	76.3	
		5-17-65	15.6	74.4	
		6-14-65	15.6	74.4	
		7-13-65	15.9	74.1	
		8-18-65	18.4	71.6	
		9-21-65	21.5	68.5	
09N/10W-12C 1 M	120.0	7-14-64	12.6	107.4	5000
		8-18-64	12.7	107.3	
		9-15-64	12.6	107.4	
		10-13-64	13.6	106.4	
		11-17-64	$		
		12-15-64	11.3	108.7	
		1-19-65	$		
		2-16-65	11.3	108.7	
		3-16-65	11.9	108.1	
		4-14-65	10.8	109.2	
		5-17-65	$		
		6-14-65	11.3	108.7	
		7-13-65	11.5	108.5	
		8-18-65	12.0	108.0	
		9-21-65	12.1	107.9	
10N/10W-22D 1 M	180.0	7-14-64	10.9	169.1	5000
		8-18-64	$		
		9-15-64	11.5	168.5	
		10-13-64	13.9	166.1	
		11-17-64	9.2	170.8	
		12-15-64	9.7	170.3	
		1-19-65	7.9	172.1	
		2-16-65	9.0	171.0	
		3-16-65	9.7	170.3	
		4-14-65	9.0	171.0	
		5-17-65	9.6	170.4	
		6-14-65	$		
		7-13-65	11.3*	168.7	
		8-18-65	10.9	169.1	
		9-21-65	11.2	168.8	
10N/10W-26M 1 M	161.0	7-14-64	$		5000
		8-18-64	11.7	149.3	
		9-15-64	12.2	148.8	
		10-13-64	$		
		11-17-64	7.8	153.2	
		12-15-64	8.5	152.5	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
HEALDSBURG AREA			1-18.02		
10N/10W-26M 1 M	161.0	1-19-65	7.0	154.0	5000
		2-16-65	7.7	153.3	
		3-16-65	8.3	152.7	
		4-14-65	7.3	153.7	
		5-17-65	8.7	152.3	
		6-14-65	9.1	151.9	
		7-13-65	8.5*	152.5	
		8-18-65	9.5	151.5	
		9-21-65	10.2	150.8	
10N/10W-35Q 1 M	142.0	7-14-64	5.7	136.3	5000
		8-18-64	6.4	135.6	
		9-15-64	6.8	135.2	
		10-13-64	7.2	134.8	
		11-17-64	4.5	137.5	
		12-15-64	3.8	138.2	
		1-19-65	2.8	139.2	
		2-16-65	.7	141.3	
		3-16-65	2.6	139.4	
		4-14-65	2.2	139.8	
		5-17-65	2.6	139.4	
		6-14-65	3.1	138.9	
		7-13-65	4.2	137.8	
		8-18-65	5.5	136.5	
		9-21-65	6.3	135.7	
LOWER RUSSIAN RIVER VALLEY			1-98.00		
07N/10W- 6N 1 M	25.0	7-13-64	21.1	3.9	5000
		8-18-64	$		
		9-15-64	21.0	4.0	
		10-13-64	21.2	3.8	
		11-17-64	19.0	6.0	
		12-15-64	19.2	5.8	
		1-19-65	$		
		2-16-65	18.3	6.7	
		3-16-65	20.0	5.0	
		4-14-65	18.1	6.9	
		5-18-65	20.2	4.8	
		6-14-65	20.8	4.2	
		7-12-65	21.8	3.2	
		8-16-65	21.1	3.9	
		9-21-65	21.2	3.8	
07N/11W-14E 1 M	25.0	7-13-64	19.9	5.1	5000

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION					
LOWER RUSSIAN RIVER VALLEY			1-98.00		
07N/11W-14E 1 M	25.0	8-18-64	20.2	4.8	5000
		9-15-64	20.1	4.9	
		10-13-64	$		
		11-17-64	18.2	6.8	
		12-15-64	19.2	5.8	
		1-19-65	15.3	9.7	
		2-16-65	18.1	6.9	
		3-16-65	18.9	6.1	
		4-14-65	16.2	8.8	
		5-18-65	19.1	5.9	
		6-14-65	19.7	5.3	
		7-12-65	20.1	4.9	
		8-16-65	20.5	4.5	
		9-21-65	19.9	5.1	
08N/10W-29D 2 M	50.0	7-13-64	$		5000
		8-18-64	6.6	43.4	
		9-15-64	7.0	43.0	
		10-13-64	7.6	42.4	
		11-17-64	3.8	46.2	
		12-15-64	4.0	46.0	
		1-19-65	3.3	46.7	
		2-16-65	3.6	46.4	
		3-16-65	4.0	46.0	
		4-14-65	3.1	46.9	
		5-18-65	4.2	45.8	
		6-14-65	$		
		7-13-65	4.6	45.4	
		8-16-65	$		
		9-21-65	5.9	44.1	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
PETALUMA VALLEY			2-01.00		
03N/06W- 1Q 1 M	2.0	3-22-65	.3	1.7	5050
05N/07W-19N 1 M	45.0	3-22-65	10.0	35.0	5050
05N/07W-20B 2 M	41.0	7-13-64	73.0*	-32.0	5000
		8-18-64	70.1	-29.1	
		9-14-64	73.4	-32.4	
		10-12-64	78.1	-37.1	
		11-16-64	61.6	-20.6	
		12-15-64	60.9	-19.9	
		1-18-65	56.6	-15.6	
		2-15-65	56.8	-15.8	
		3-15-65	53.2	-12.2	
		4-14-65	53.1	-12.1	
		5-18-65	60.0	-19.0	
		6-14-65	56.6	-15.6	
		7-12-65	67.4	-26.4	
		8-16-65	68.7	-27.7	
		9-21-65	64.8	-23.8	
05N/07W-21H 1 M	65.0	7-13-64	43.3	21.7	5000
		8-18-64	44.1	20.9	
		9-14-64	44.5	20.5	
		10-12-64	45.6	19.4	
		11-16-64	46.0	19.0	
		12-15-64	46.8	18.2	
		1-18-65	36.8	28.2	
		2-15-65	34.2	30.8	
		3-15-65	34.1	30.9	
		4-14-65	33.9	31.1	
		5-18-65	36.0	29.0	
		6-14-65	36.9	28.1	
		7-12-65	39.6	25.4	
		8-16-65	41.6	23.4	
		9-21-65	43.6	21.4	
05N/07W-26R 1 M	53.6	7-13-64	27.6	26.0	5000
		8-18-64	28.8	24.8	
		9-14-64	28.1	25.5	
		10-12-64	28.8	24.8	
		11-16-64	29.0	24.6	
		12-14-64	25.0	28.6	
		1-18-65	26.9	26.7	
		2-15-65	24.1	29.5	
		3-15-65	24.2	29.4	
		4-13-65	23.7*	29.9	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
PETALUMA VALLEY			2-01.00		
05N/07W-26R 1 M	53.6	5-18-65	23.2	30.4	5000
		6-14-65	28.8*	24.8	
		7-12-65	24.8	28.8	
		8-16-65	26.2	27.4	
		9-21-65	$		
05N/07W-35K 1 M	18.8	3-22-65	6.5	12.3	5050
NAPA-SONOMA VALLEY			2-02.00		
NAPA VALLEY			2-02.01		
04N/04W- 2L 1 M	25.0	3-22-65	12.1	12.9	5101
04N/04W- 4C 1 M	12.0	3-22-65	10.2	1.8	5101
04N/04W- 5B 1 M	31.0	3-22-65	13.4	17.6	5101
04N/04W- 5D 2 M	22.0	3-22-65	6.2	15.8	5101
04N/04W-12M 1 M	48.0	3-22-65	18.1	29.9	5101
04N/04W-14C 2 M	34.0	3-22-65	33.2	.8	5101
04N/04W-25K 1 M	37.0	3-22-65	1.6	35.4	5101
05N/03W- 5M 1 M	255.0	3-22-65	77.2	177.8	5101
05N/04W- 3G 1 M	18.0	3-22-65	6.1	11.9	5101
05N/04W- 4G 1 M	63.5	3-23-65	34.0	29.5	5101
05N/04W- 4Q 1 M	58.0	3-23-65	23.9*	34.1	5101
05N/04W- 5P 1 M	121.0	3-22-65	11.0	110.0	5101
05N/04W- 5P 2 M	122.0	3-29-65	19.3	102.7	5101
05N/04W-10F 1 M	30.0	3-22-65	3.5	26.5	5101
05N/04W-11F 3 M	16.0	3-22-65	12.9	3.1	5101
05N/04W-11M 1 M	13.0	7-13-64	8.8	4.2	5000
		8-17-64	9.1	3.9	
		9-14-64	9.0	4.0	
		10-12-64	9.2	3.8	
		11-16-64	7.8	5.2	
		12-14-64	8.1	4.9	
		1-18-65	5.1	7.9	
		2-15-65	6.9	6.1	
		3-15-65	6.7	6.3	
		4-13-65	5.7	7.3	
		5-17-65	7.3	5.7	
		6-14-65	8.6	4.4	
		7-12-65	8.2	4.8	
		8-16-65	8.2	4.8	
		9-20-65	8.4	4.6	
05N/04W-12F 1 M	130.0	3-22-65	67.6*	62.4	5101
05N/04W-12M 1 M	121.0	3-22-65	47.5*	73.5	5101
05N/04W-13H 1 M	132.0	3-22-65	9.5	122.5	5101
05N/04W-13H 2 M	120.0	3-22-65	13.3	106.7	5101
05N/04W-14C 1 M	17.0	3-22-65	10.3*	6.7	5101
05N/04W-15C 2 M	22.0	3-22-65	18.7	3.3	5101
05N/04W-15E 1 M	22.0	3-22-65	16.1	5.9	5101
05N/04W-19R 2 M	110.0	3-22-65	4.6	105.4	5101
05N/04W-20R 2 M	50.0	3-22-65	4.5	45.5	5101
05N/04W-21B 1 M	75.0	3-22-65	30.9*	44.1	5101
05N/04W-22M 1 M	12.0	3-22-65	1.8	10.2	5101
05N/04W-28R 1 M	37.0	3-22-65	44.7*	-7.7	5101
05N/04W-29H 1 M	77.0	3-22-65	28.3	48.7	5101
06N/03W-31B 1 M	240.0	3-29-65	103.7	136.3	5101
06N/03W-31F 1 M	145.0	3-29-65	36.7	108.3	5101
06N/03W-31H 1 M	180.0	3-23-65	64.1	115.9	5101
06N/03W-31N 1 M	170.0	3-23-65	42.7	127.3	5101
06N/03W-31N 2 M	167.0	3-23-65	41.1	125.9	5101
06N/04W- 5R 1 M	67.0	3-24-65	4.7	62.3	5101
06N/04W- 6L 2 M	80.0	3-26-65	9.5	70.5	5101
06N/04W- 6N 1 M	75.0	3-24-65	4.7	70.3	5101

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
NAPA VALLEY 2-02.01					
06N/04W- 6P 1 M	75.0	3-24-65	4.6	70.4	5101
06N/04W- 7N 1 M	135.0	3-23-65	18.4*	116.6	5101
06N/04W- 8E 1 M	70.0	3-24-65	6.5	63.5	5101
06N/04W-15Q 1 M	67.0	3-23-65	45.7	21.3	5101
06N/04W-16P 1 M	62.0	3-23-65	8.8	53.2	5101
06N/04W-17A 1 M	67.0	7-13-64	19.3	47.7	5000
		8-17-64	18.6	48.4	
		9-14-64	20.0	47.0	
		10-12-64	19.9	47.1	
		11-16-64	16.4	50.6	
		12-14-64	15.4	51.6	
		1-18-65	3.8	63.2	
		2-15-65	4.7	62.3	
		3-15-65	6.1	60.9	
		4-13-65	6.0	61.0	
		5-17-65	7.6	59.4	
		6-14-65	10.4	56.6	
		7-12-65	14.8	52.2	
		8-16-65	13.3	53.7	
		9-20-65	15.2	51.8	
06N/04W-18A 2 M	85.0	3-23-65	22.4	62.6	5101
06N/04W-19B 1 M	125.0	3-23-65	19.7	105.3	5101
06N/04W-21G 1 M	61.0	3-23-65	1.0	60.0	5101
06N/04W-22P 1 M	53.0	3-23-65	29.3*	23.7	5101
06N/04W-23J 1 M	87.0	3-23-65	15.7*	71.3	5101
06N/04W-26N 1 M	32.0	3-23-65	14.9	17.1	5101
06N/04W-27N 1 M	50.0	3-23-65	22.6	27.4	5101
06N/04W-28K 1 M	62.0	3-23-65	11.3	50.7	5101
06N/04W-29B 1 M	92.0	3-23-65	6.1	85.9	5101
06N/04W-30C 1 M	149.0	3-23-65	10.1	138.9	5101
06N/04W-32J 6 M	94.0	3-23-65	10.5	83.5	5101
06N/04W-32L 2 M	107.0	3-23-65	33.6*	73.4	5101
06N/04W-35G 3 M	38.0	3-23-65	25.3*	12.7	5101
06N/04W-35L 3 M	23.0	3-23-65	12.1	10.9	5101
06N/04W-36H 1 M	105.0	3-23-65	20.1*	84.9	5101
06N/05W-12H 1 M	180.0	3-23-65	29.2	150.8	5101
07N/04W-30L 1 M	112.0	3-24-65	1.8	110.2	5101
07N/04W-30M 1 M	114.0	3-24-65	1.5	112.5	5101
07N/04W-31E 1 M	90.0	3-24-65	3.7	86.3	5101
07N/04W-32B 2 M	180.0	3-24-65	2.8	177.2	5101
07N/05W- 3G 1 M	188.0	3-24-65	34.8	153.2	5101
07N/05W- 3G 2 M	188.0	3-24-65	34.9*	153.1	5101
07N/05W- 4R 2 M	172.0	3-24-65	12.2*	159.8	5101
07N/05W- 5A 1 M	182.0	3-25-65	1.9	180.1	5101
07N/05W- 6J 1 M	215.0	3-25-65	17.8	197.2	5101
07N/05W- 8A 1 M	175.0	3-25-65	12.5	162.5	5101
07N/05W- 8M 1 M	190.0	3-25-65	15.5*	174.5	5101
07N/05W- 9Q 1 M	155.0	3-25-65	8.6*	146.4	5101
07N/05W- 9Q 2 M	155.0	7-13-64	14.2	140.8	5000
		8-17-64	16.8	138.2	
		9-14-64	17.3	137.7	
		10-12-64	17.7	137.3	
		11-16-64	16.5	138.5	
		12-14-64	15.0	140.0	
		1-18-65	6.1	148.9	
		2-15-65	7.2	147.8	
		3-15-65	8.5	146.5	
		4-13-65	8.5	146.5	
		5-17-65	9.1	145.9	
		6-14-65	15.1	139.9	
		7-12-65	11.7	143.3	
		8-16-65	13.1	141.9	
		9-20-65	14.7	140.3	
07N/05W- 9Q 3 M	155.0	3-25-65	5.1	149.9	5101

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
NAPA VALLEY		2-02.01			
07N/05W-10C 1 M	162.2	3-24-65	11.7	150.5	5101
07N/05W-14B 2 M	139.0	3-24-65	5.7	133.3	5101
07N/05W-14J 1 M	140.0	3-23-65	7.2	132.8	5101
07N/05W-15A 1 M	143.0	3-24-65	8.5	134.5	5101
07N/05W-15F 1 M	141.0	3-25-65	10.4	130.6	5101
07N/05W-16L 1 M	171.0	3-25-65	10.4	160.6	5101
07N/05W-16N 2 M	193.0	3-25-65	11.0	182.0	5101
07N/05W-17B 1 M	166.0	3-25-65	5.9	160.1	5101
07N/05W-17B 2 M	161.0	3-25-65	1.1	159.9	5101
07N/05W-21G 1 M	152.0	3-24-65	.3	151.7	5101
07N/05W-22E 3 M	140.0	3-24-65	.2	139.8	5101
07N/05W-22H 1 M	133.0	3-24-65	6.3	126.7	5101
07N/05W-23D 2 M	127.0	3-24-65	1.5	125.5	5101
07N/05W-23Q 1 M	115.0	3-24-65	2.9	112.1	5101
07N/05W-24P 1 M	127.0	3-29-65	6.5	120.5	5101
07N/05W-25A 1 M	163.0	3-24-65	17.1	145.9	5101
07N/05W-26D 2 M	127.0	3-24-65	2.7	124.3	5101
07N/05W-34C 2 M	190.0	3-24-65	9.7	180.3	5101
07N/05W-35F 2 M	175.0	3-24-65	3.4	171.6	5101
07N/05W-36N 1 M	141.0	3-24-65	4.5	136.5	5101
08N/05W-30P 1 M	220.0	3-25-65	1.7	218.3	5101
08N/05W-31H 1 M	212.0	3-25-65	13.5	198.5	5101
08N/05W-31P 2 M	237.0	3-25-65	19.9	217.1	5101
08N/05W-31R 1 M	210.0	3-26-65	11.5	198.5	5101
08N/06W- 3M 1 M	330.0	3-26-65	32.7	297.3	5101
08N/06W- 4F 1 M	330.0	3-26-65	70.5*	259.5	5101
08N/06W- 6L 4 M	335.0	3-25-65	6.3	328.7	5101
08N/06W- 9D 2 M	290.0	3-26-65	11.6*	278.4	5101
08N/06W- 9H 1 M	290.0	3-25-65	3.3	286.7	5101
08N/06W- 9H 2 M	291.5	3-25-65	4.1	287.4	5101
08N/06W-10Q 1 M	290.0	7-13-64	21.2*	268.8	5000
		8-17-64	8.1	281.9	
		9-14-64	9.4	280.6	
		10-12-64	11.1	278.9	
		11-16-64	9.2	280.8	
		12-14-64	7.4	282.6	
		1-18-65	1.7	288.3	
		2-15-65	1.7	288.3	
		3-15-65	2.0	288.0	
		4-13-65	1.8	288.2	
		5-17-65	$		
		6-14-65	3.9	286.1	
		7-12-65	4.6	285.4	
		8-16-65	6.2	283.8	
		9-20-65	7.5	282.5	
08N/06W-14N 1 M	285.0	3-25-65	11.5	273.5	5101
08N/06W-14Q 1 M	250.0	3-26-65	7.4	242.6	5101
08N/06W-23M 1 M	285.0	3-25-65	8.5	276.5	5101
08N/06W-24B 1 M	300.0	3-26-65	8.5	291.5	5101
08N/06W-25Q 2 M	230.0	3-26-65	13.7*	216.3	5101
09N/06W-31Q 1 M	340.0	3-26-65	4.2	335.8	5101
09N/06W-32M 1 M	360.0	3-26-65	16.6	343.4	5101
09N/07W-24L 1 M	460.0	3-26-65	9.6	450.4	5101
09N/07W-25N 1 M	380.0	3-26-65	6.9*	373.1	5101

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
NAPA VALLEY			2-02.01		
09N/07W-25N 2 M	380.0	3-26-65	6.6	373.4	5101
09N/07W-26P 1 M	400.0	3-26-65	1.5	398.5	5101
09N/07W-35K 1 M	399.0	3-26-65	1.1	397.9	5101
SONOMA VALLEY			2-02.02		
05N/05W-17C 1 M	85.0	7-13-64	20.0	65.0	5000
		8-18-64	22.9	62.1	
		9-14-64	19.0	66.0	
		10-12-64	23.6	61.4	
		11-16-64	22.3	62.7	
		12-14-64	18.8	66.2	
		1-18-65	19.4	65.6	
		2-15-65	16.5	68.5	
		3-15-65	15.3	69.7	
		4-14-65	16.7	68.3	
		5-18-65	18.1	66.9	
		6-14-65	19.9	65.1	
		7-12-65	20.7	64.3	
		8-16-65	18.6	66.4	
		9-21-65	21.0	64.0	
05N/05W-28N 1 M	11.0	3-23-65	7.1	3.9	5050
05N/05W-29N 1 M	16.0	1-18-64	5.2	10.8	5000
		7-13-64	10.7	5.3	
		8-18-64	11.6	4.4	
		9-14-64	12.3	3.7	
		10-12-64	12.3	3.7	
		11-16-64	11.0	5.0	
		12-14-64	11.0	5.0	
		1-18-65	5.2	10.8	
		2-15-65	6.0	10.0	
		3-15-65	6.8	9.2	
		4-14-65	6.9	9.1	
		5-14-65	7.5	8.5	
		6-14-65	8.5	7.5	
		7-12-65	9.6	6.4	
		8-16-65	10.5	5.5	
		9-21-65	11.5	4.5	
05N/05W-30J 3 M	16.0	7-13-64	$		5000
		8-18-64	13.9	2.1	
		9-14-64	31.2@	-15.2	
		10-12-64	14.5	1.5	
		11-16-64	12.4	3.6	
		12-14-64	11.8	4.2	
		1-18-65	6.5	9.5	
		2-15-65	6.5	9.5	
		3-15-65	7.1	8.9	
		4-14-65	7.2	8.8	
		5-18-65	9.3	6.7	
		6-14-65	18.5	-2.5	
		7-12-65	12.0	4.0	
		8-16-65	12.3	3.7	
		9-21-65	13.5	2.5	
SUISUN-FAIRFIELD VALLEY			2-03.00		
04N/02W-6A 1 M	35.0	10-13-64	14.6	20.4	5109
		3-26-65	15.2	19.8	
04N/02W-9A 1 M	7.0	7-24-64	4.4	2.6	5050
		8-21-64	4.2	2.8	
		9-25-64	3.7	3.3	
		10-22-64	3.5	3.5	
		11-19-64	3.4	3.6	
		12-29-64	3.3	3.7	
		1-18-65	1.5	5.5	
		2-16-65	.9	6.1	
		3-18-65	1.2	5.8	
		4-19-65	.6	6.4	
		5-17-65	1.6	5.4	
		6-21-65	2.1	4.9	
		7-20-65	1.6	5.4	
		8-18-65	3.0	4.0	
		9-22-65	3.6	3.4	
04N/02W-9H 1 M	4.0	7-24-64	$		5050
		8-21-64	4.2	-0.2	
		9-25-64	7.1	-3.1	
		10-22-64	5.5	-1.5	
		11-19-64	5.0	-1.0	
		12-29-64	3.6	.4	
		1-18-65	4.0	0.0	
		2-16-65	$		
		3-18-65	4.9	-0.9	
		4-19-65	1.7	2.3	
		5-17-65	2.4	1.6	
		6-21-65	4.7	-0.7	
		7-20-65	4.8	-0.8	
		8-18-65	$		

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
FAIRFIELD SUISUN VALLEY			2-03.00		
04N/02W-9H 1 M	4.0	9-22-65	4.0	0.0	5050
04N/03W- 1D 1 M	37.0	10-13-64	8.3	28.7	5109
		3-26-65	3.6	33.4	
05N/01E-36A 1 M	24.0	10-12-64	14.1*	9.9	5109
		3-23-65	9.4	14.6	
05N/01W- 7E 1 M	115.0	10-14-64	13.5	101.5	5109
		3-26-65	12.7	102.3	
05N/02W-21P 3 M	60.0	7-24-64	8.4	51.6	5050
		8-21-64	9.5	50.5	
		9-25-64	12.2	47.8	
		10-22-64	10.7	49.3	
		11-19-64	11.1	48.9	
		12-29-64	$		
		1-18-65	7.8*	52.2	
		2-16-65	6.5	53.5	
		3-18-65	7.1	52.9	
		4-19-65	6.6	53.4	
		5-17-65	8.5	51.5	
		6-21-65	7.4	52.6	
		7-20-65	$		
		8-18-65	9.9	50.1	
		9-21-65	10.5	49.5	
05N/02W-25R 1 M	7.0	7-24-64	5.7	1.3	5050
		8-21-64	5.3	1.7	
		9-25-64	5.3	1.7	
		10-22-64	5.1	1.9	
		11-19-64	4.8	2.2	
		12-29-64	.9	6.1	
		1-18-65	.6	6.4	
		2-16-65	1.0	6.0	
		3-18-65	2.4	4.6	
		4-19-65	1.6	5.4	
		5-17-65	3.7	3.3	
		6-21-65	4.5	2.5	
		7-19-65	4.9	2.1	
		8-18-65	5.4	1.6	
		9-21-65	5.8	1.2	
05N/02W-27J 2 M	24.0	7-13-64	16.2	7.8	5000
		8-17-64	20.2	3.8	
		9-14-64	23.3	.7	
		10-12-64	23.8	.2	
		11-16-64	21.2	2.8	
		12-14-64	22.7*	1.3	
		1-18-65	9.8	14.2	
		2-15-65	6.8	17.2	
		3-15-65	11.4*	12.6	
		4-13-65	$		
		5-17-65	6.2	17.8	
		6-14-65	$		
		7-12-65	7.0	17.0	
		8-16-65	6.9	17.1	
		9-20-65	6.7	17.3	
05N/02W-29R 1 M	46.0	10-14-64	22.4	23.6	5109
		3-26-65	7.9	38.1	
05N/02W-30J 1 M	65.0	7-13-64	17.3	47.7	5000
		8-17-64	19.9	45.1	
		9-14-64	20.0	45.0	
		10-12-64	20.9	44.1	
		11-16-64	22.0	43.0	
		12-14-64	23.5	41.5	
		1-18-65	18.4	46.6	
		2-15-65	19.1	45.9	
		3-15-65	20.4	44.6	
		4-13-65	21.6	43.4	
		5-17-65	30.8*	34.2	
		6-14-65	16.5	48.5	
		7-12-65	18.2	46.8	
		8-16-65	17.9	47.1	
		9-20-65	19.4	45.6	
YGNACIO VALLEY			2-06.00		
01N/01W- 7K 1 M	83.0	7-20-64	12.8	70.2	5050
		8-18-64	11.4	71.6	
		9-25-64	12.5	70.5	
		10-19-64	12.7	70.3	
		11-16-64	12.0	71.0	
		12-21-64	2.0*	81.0	
		1-18-65	8.1	74.9	
		2-16-65	8.4	74.6	
		3-17-65	8.9	74.1	
		4-19-65	9.5*	73.5	
		5-17-65	10.6	72.4	
		6-21-65	12.1	70.9	
		7-20-65	12.5	70.5	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
YGNACIO VALLEY			2-06.00		
01N/01W-7K 1 M		8-18-65	11.3	71.7	5050
		9-23-65	12.6	70.4	
01N/02W-11N 1 M	83.0	7-20-64	15.5	67.5	5050
		8-18-64	15.3	67.7	
		9-25-64	15.2	67.8	
		10-19-64	20.9*	62.1	
		11-16-64	13.6	69.4	
		12-21-64	$		
		1-18-65	11.6	71.4	
		2-16-65	11.3	71.7	
		3-17-65	11.7	71.3	
		4-20-65	11.4	71.6	
		5-17-65	12.0	71.0	
		6-21-65	13.2	69.8	
		7-20-65	13.7	69.3	
		8-18-65	13.6	69.4	
		9-23-65	17.3*	65.7	
01N/02W-13P 1 M	100.0	3-17-65	10.9	89.1	5050
02N/02W-27R 1 M	15.0	7-20-64	5.8	9.2	5050
		8-18-64	5.8	9.2	
		9-25-64	5.7	9.3	
		10-19-64	21.3*	-6.3	
02N/02W-36K 1 M	48.0	3-18-65	16.2	31.8	5050
SANTA CLARA VALLEY			2-09.00		
EAST BAY AREA ABOVE HAYWARD FAULT			2-09.01		
04S/01W-35P 3 M	115.3	7-24-64	149.6	-34.3	5401
		8-21-64	150.3	-35.0	
		9-18-64	151.3	-36.0	
		10- 2-64	151.3	-36.0	
		11-20-64	141.3	-26.0	
		12-18-64	133.5	-18.2	
		1-22-65	122.5	-7.2	
		2-19-65	117.8	-2.5	
		3-17-65	112.8	2.5	
		4-16-65	109.7	5.6	
		5-21-65	117.7	-2.4	
		6-18-65	129.4	-14.1	
		7-16-65	135.4	-20.1	
		8-20-65	137.8	-22.5	
		9-17-65	141.3	-26.0	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
EAST BAY AREA UPPER AQUIFER			2-09.01		
03S/02W- 8N 2 M	48.0	7-21-64	20.7	27.3	5050
		8-18-64	22.0	26.0	
		9-25-64	22.8	25.2	
		10-21-64	26.0*	22.0	
		11-16-64	22.3	25.7	
		12-21-64	23.7	24.3	
		1-18-65	20.3	27.7	
		2-16-65	20.3	27.7	
		3-17-65	20.8	27.2	
		4-21-65	21.4	26.6	
		5-17-65	27.7*	20.3	
		7-20-65	$		
		8-21-65	$		
		9-24-65	22.2*	25.8	
03S/02W- 8R 5 M	64.0	9-16-64	36.7	27.3	5100
		3-11-65	34.6	29.4	
03S/02W-19D 1 M	30.0	7-21-64	12.9	17.1	5050
		8-18-64	13.6	16.4	
		9-25-64	13.9	16.1	
		10-21-64	14.2	15.8	
		11-16-64	13.4	16.6	
		12-21-64	13.2	16.8	
		1-18-65	11.5	18.5	
		2-16-65	11.3	18.7	
		3-17-65	10.8	19.2	
		4-20-65	10.6	19.4	
		5-17-65	11.2	18.8	
		6- 0-65	$		
		7-20-65	12.1	17.9	
		8-21-65	12.1	17.9	
		9-24-65	12.8	17.2	
03S/03W-24Q 2 M	7.0	10-16-64	$		5100
		3-15-65	3.5	3.5	
04S/01W-18G 1 M	41.0	7-24-64	82.5	-41.5	5401
		8-21-64	81.5	-40.5	
		9-18-64	82.9	-41.9	
		10- 2-64	83.3	-42.3	
		11- 3-64	83.2	-42.2	
		12-11-64	82.4	-41.4	
		1-22-65	76.9	-35.9	
		2-19-65	72.1	-31.1	
		3-16-65	72.7	-31.7	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
EAST BAY AREA UPPER AQUIFER			2-09.01		
04S/01W-18G 1 M	41.0	4-16-65	71.8	-30.8	5401
		5-21-65	74.1	-33.1	
		6-18-65	72.9	-31.9	
		7-16-65	80.7	-39.7	
		8-13-65	75.9	-34.9	
		9-10-65	75.0	-34.0	
04S/01W-22P 5 M	80.0	10- 9-64	59.9	20.1	5100
		3-16-65	50.6	29.4	
04S/01W-29C 4 M	55.0	7- 0-64	#		5401
04S/02W-13C 2 M	36.4	10- 7-64	30.8	5.6	5401
		3-18-65	$		
04S/02W-24Q 2 M	33.4	10- 9-64	69.6	-36.2	5100
		3-16-65	59.5	-26.1	
05S/01W- 4F 1 M	42.0	7-17-64	70.4	-28.4	5401
		8-14-64	70.0	-28.0	
		9-11-64	69.9	-27.9	
		10- 2-64	71.9	-29.9	
		11-20-64	$		
		12-18-64	$		
		1-22-65	$		
		2-26-65	71.0	-29.0	
		3-17-65	68.0	-26.0	
		4-16-65	69.4	-27.4	
		5-28-65	69.2	-27.2	
		6-25-65	68.7	-26.7	
		7-23-65	69.1	-27.1	
		8-20-65	68.8	-26.8	
		9-17-65	68.7	-26.7	
05S/01W- 9J 1 M	19.5	10-14-64	42.1	-22.6	5100
		3-18-65	41.8	-22.3	
EAST BAY AREA LOWER AQUIFER			2-09.01		
02S/03W-36R 1 M	45.0	9-16-64	$		5100
		3-15-65	72.5	-27.5	
03S/02W-19A 2 M	30.0	7-21-64	23.1	6.9	5050
		8-18-64	25.6	4.4	
		9-25-64	#		

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
EAST BAY AREA LOWER AQUIFER			2-09.01		
03S/03W-24J 1 M	11.0	10-16-64	104.5	-93.5	5100
		3-11-65	80.4	-69.4	
03S/03W-36R 3 M	5.0	10- 7-64	95.0	-90.0	5100
		3-15-65	76.0	-71.0	
04S/02W- 2J 1 M	26.0	10-25-64	$		5401
		3-15-65	91.6	-65.6	
04S/02W-35R 2 M	15.0	7- 0-64	$		5401
		8- 0-64	$		
		9- 0-64	$		
		10- 2-64	81.3	-66.3	
		11-20-64	65.1	-50.1	
		12-18-64	61.3	-46.3	
		1-15-65	54.7	-39.7	
		2-26-65	51.3	-36.3	
		3-16-65	53.2	-38.2	
		4-16-65	49.2	-34.2	
		5-28-65	61.2	-46.2	
		6-25-65	66.8	-51.8	
		7-23-65	69.0	-54.0	
		8-20-65	69.3	-54.3	
		9-17-65	68.1	-53.1	
04S/02W-36R 1 M	24.0	7-24-64	89.1	-65.1	5401
		8-14-64	90.6	-66.6	
		9-11-64	91.0	-67.0	
		10- 2-64	90.6	-66.6	
		11-20-64	77.0	-53.0	
		12-18-64	73.4	-49.4	
		1-15-65	66.9	-42.9	
		2-26-65	63.3	-39.3	
		3-18-65	62.3	-38.3	
		4-16-65	61.4	-37.4	
		5-28-65	74.2	-50.2	
		6-25-65	79.1	-55.1	
		7-23-65	81.5	-57.5	
		8-20-65	81.9	-57.9	
		9-17-65	80.0	-56.0	
05S/01W- 9M 1 M	15.0	10-21-64	92.2	-77.2	5401
		3-18-65	53.4	-38.4	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA			2-09.02		
06S/01E- 7E 1 M	15.8	7-17-64	131.4	-115.6	2400
		8-19-64	138.2	-122.4	
		9-24-64	142.2	-126.4	
		10-17-64	132.3	-116.5	
		11-20-64	103.4	-87.6	
		12-28-64	102.1	-86.3	
		1-26-65	97.7	-81.9	
		2-18-65	101.6	-85.8	
		3-25-65	105.9	-90.1	
		4-20-65	100.5	-84.7	
		5-20-65	112.3	-96.5	
		6-22-65	122.8	-107.0	
		7-21-65	137.6	-121.8	
		8-24-65	140.0	-124.2	
		9-22-65	145.3	-129.5	
06S/01E-21H 1 M	134.0	7-16-64	244.0*	-106.0	2400
		8-18-64	249.3	-111.3	
		9-23-64	252.0*	-114.0	
		10-16-64	249.9	-111.9	
		11-19-64	243.7	-105.7	
		12-24-64	231.8	-93.8	
		1-14-65	226.7	-88.7	
		2-15-65	222.2	-84.2	
		3-23-65	$		
		4-19-65	214.8	-76.8	
		5-27-65	240.9	-102.9	
		6-16-65	237.3*	-99.3	
		7-14-65	242.5	-104.5	
		8-20-65	246.9*	-108.9	
		9-21-65	250.0*	-112.0	
06S/01E-23P 2 M	240.5	7-15-64	171.9	68.6	2400
		8-17-64	169.9	70.6	
		9-23-64	171.3	69.2	
		10-15-64	172.2	68.3	
		11-18-64	181.1	59.4	
		12-23-64	165.0*	75.5	
		1-21-65	163.9	76.6	
		2-15-65	164.6	75.9	
		3-22-65	165.8	74.7	
		4-19-65	151.7	88.8	
		5-27-65	173.5	67.0	
		6-16-65	145.2	95.3	
		7-20-65	136.4	104.1	
		8-20-65	127.6	112.9	
		9-21-65	121.5	119.0	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA			2-09.02		
06S/01E-30M 1 M	43.0	7-29-64	155.3	-112.3	2400
		8-20-64	150.7	-107.7	
		9-25-64	157.3*	-114.3	
		10-19-64	152.4	-109.4	
		11-21-64	133.3	-90.3	
		12-28-64	125.9	-82.9	
		1-26-65	120.4	-77.4	
		2-23-65	121.3	-78.3	
		3-26-65	128.0*	-85.0	
		4-21-65	109.4	-66.4	
		5-21-65	142.0*	-99.0	
		6-29-65	153.0*	-110.0	
		7-22-65	162.7	-119.7	
		8-24-65	152.7*	-109.7	
		9-23-65	156.8	-113.8	
06S/01W-23E 1 M	21.0	7-21-64	171.8	-150.8	5000
		8-21-64	172.3	-151.3	
		9-18-64	158.7	-137.7	
		10-17-64	158.6	-137.6	
		11-17-64	120.6	-99.6	
		12-17-64	113.2	-92.2	
		1-14-65	108.1	-87.1	
		2-15-65	103.2	-82.2	
		3-17-65	102.0	-81.0	
		4-16-65	98.9	-77.9	
		5-18-65	139.3	-118.3	
		6-18-65	138.4	-117.4	
		7-19-65	164.8	-143.8	
		8-18-65	144.9	-123.9	
		9-17-65	157.9	-136.9	
06S/02W-18H 1 M	48.7	7-23-64	144.4	-95.7	2400
		8-25-64	139.7	-91.0	
		9-29-64	132.2	-83.5	
		10-21-64	130.2	-81.5	
		11-24-64	123.8	-75.1	
		12-30-64	120.3	-71.6	
		1-28-65	118.5	-69.8	
		2-25-65	116.2	-67.5	
		3-30-65	123.0*	-74.3	
		4-27-65	118.2	-69.5	
		5-26-65	133.9	-85.2	
		6-25-65	128.2	-79.5	
		7-26-65	130.7	-82.0	
		8-27-65	126.4	-77.7	
		9-27-65	124.4	-75.7	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA					2-09.02
06S/02W-25C 1 M	73.0	7-22-64	164.3	-91.3	2400
		8-21-64	161.7	-88.7	
		9-28-64	152.5	-79.5	
		10-20-64	151.2	-78.2	
		11-23-64	144.3	-71.3	
		12-29-64	140.0*	-67.0	
		1-27-65	138.7	-65.7	
		2-24-65	137.2	-64.2	
		3-29-65	143.8	-70.8	
		4-26-65	140.4	-67.4	
		5-24-65	147.7	-74.7	
		6-24-65	152.0*	-79.0	
		7-23-65	162.4	-89.4	
		8-26-65	149.7	-76.7	
		9-24-65	151.5	-78.5	
06S/02W-35C 1 M	140.1	7-23-64	278.8*	-138.7	2400
		8-24-64	275.5*	-135.4	
		9-29-64	273.8*	-133.7	
		10-21-64	272.4*	-132.3	
		11-23-64	258.8*	-118.7	
		12-30-64	251.9*	-111.8	
		1-28-65	239.7*	-99.6	
		2-24-65	238.8*	-98.7	
		3-29-65	248.7*	-108.6	
		4-26-65	237.9*	-97.8	
		5-25-65	261.4*	-121.3	
		6-25-65	272.7*	-132.6	
		7-26-65	279.5*	-139.4	
		8-27-65	275.1*	-135.0	
		9-27-65	273.0*	-132.9	
07S/01E- 1K 1 M	179.0	7-15-64	197.7	-18.7	2400
		8-17-64	196.1	-17.1	
		9-22-64	198.3	-19.3	
		10-15-64	200.4	-21.4	
		11-18-64	198.7	-19.7	
		12-18-64	198.3	-19.3	
		1-20-65	197.8	-18.8	
		2-17-65	198.4	-19.4	
		3-22-65	198.0*	-19.0	
		4-16-65	196.9	-17.9	
		5-18-65	199.4	-20.4	
		6-16-65	201.6	-22.6	
		7-20-65	201.0*	-22.0	
		8-20-65	200.4	-21.4	
		9-21-65	202.1	-23.1	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA					2-09.02
07S/01E- 8L 1 M	88.0	7-28-64	168.9	-80.9	2400
		8-26-64	172.6*	-84.6	
		9-29-64	180.9*	-92.9	
		10-22-64	167.2*	-79.2	
		11-24-64	158.2*	-70.2	
		12-31-64	148.0	-60.0	
		1-26-65	142.7*	-54.7	
		2-26-65	134.6	-46.6	
		3-31-65	138.6*	-50.6	
		4-28-65	148.8*	-60.8	
		5-25-65	157.7	-69.7	
		6-28-65	169.2	-81.2	
		7-26-65	174.0*	-86.0	
		8-27-65	169.0	-81.0	
		9-27-65	167.0*	-79.0	
07S/01E- 9D 2 M	95.9	7-21-64	182.4	-86.5	5000
		8-21-64	190.1	-94.2	
		9-18-64	196.0	-100.1	
		10-17-64	190.5	-94.6	
		11-17-64	181.9	-86.0	
		12-17-64	177.5	-81.6	
		1-14-65	177.3	-81.4	
		2-15-65	167.2	-71.3	
		3-17-65	166.2	-70.3	
		4-16-65	158.2	-62.3	
		5-18-65	174.8	-78.9	
		6-18-65	183.4	-87.5	
		7-19-65	190.9	-95.0	
		8-18-65	194.9	-99.0	
		9-17-65	197.1	-101.2	
07S/01E-16C 5 M	105.0	7-21-64	230.3	-125.3	5000
		8-21-64	230.3	-125.3	
		9-18-64	253.3	-148.3	
		10-17-64	244.3	-139.3	
		11-17-64	224.4	-119.4	
		12-17-64	217.4	-112.4	
		1-14-65	196.3	-91.3	
		2-15-65	187.1	-82.1	
		3-17-65	188.5	-83.5	
		4-16-65	194.8	-89.8	
		5-18-65	227.3	-122.3	
		6-18-65	233.2	-128.2	
		7-19-65	238.1	-133.1	
		8-18-65	254.7	-149.7	
		9-17-65	253.7	-148.7	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA			2-09.02		
07S/01E-31A P M	151.6	7- 2-64	167.7*	-16.1	2400
		8- 4-64	182.1	-30.5	
		9- 2-64	184.6	-33.0	
		10- 5-64	190.5	-38.9	
		11- 3-64	222.1*	-70.5	
		12- 2-64	163.5	-11.9	
		1- 6-65	156.1*	-4.5	
		2- 2-65	144.9*	6.7	
		3- 4-65	168.4	-16.8	
		4- 5-65	187.3*	-35.7	
		5- 4-65	153.4*	-1.8	
		6- 2-65	161.8*	-10.2	
		7- 7-65	184.7*	-33.1	
		8- 9-65	172.8	-21.2	
		9- 2-65	188.6*	-37.0	
07S/01W-35C 1 M	202.0	7- 3-64	251.0	-49.0	2400
		8- 3-64	258.0	-56.0	
		9- 1-64	271.0	-69.0	
		10- 2-64	281.0	-79.0	
		11- 2-64	285.0	-83.0	
		12- 1-64	289.0	-87.0	
		1- 4-65	290.0	-88.0	
		2- 1-65	287.0	-85.0	
		3- 2-65	280.0	-78.0	
		4- 1-65	251.0	-49.0	
		5- 3-65	229.0	-27.0	
		6- 1-65	224.0	-22.0	
		7- 1-65	220.0	-18.0	
		8- 1-65	217.0	-15.0	
		9- 1-65	216.0	-14.0	
07S/02E- 7M 1 M	130.0	7-15-64	137.6	-7.6	2400
		8-17-64	141.7	-11.7	
		9-22-64	144.3	-14.3	
		10-15-64	143.4	-13.4	
		11-18-64	139.9	-9.9	
		12-18-64	139.4	-9.4	
		1-22-65	137.1	-7.1	
		2-17-65	137.5	-7.5	
		3-22-65	136.8	-6.8	
		4-16-65	136.4	-6.4	
		5-18-65	137.6	-7.6	
		6-16-65	139.4	-9.4	
		7-20-65	145.6	-15.6	
		8-20-65	146.3	-16.3	
		9-21-65	145.7	-15.7	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA			2-09.02		
07S/02E-17H 1 M	349.0	7-14-64	100.3	248.7	2400
		8-14-64	107.5*	241.5	
		9-22-64	103.3	245.7	
		10-15-64	103.9	245.1	
		11-14-64	99.4	249.6	
		12-18-64	95.2	253.8	
		1-20-65	97.8*	251.2	
		2-16-65	96.6	252.4	
		3-22-65	97.0*	252.0	
		4-15-65	99.8	249.2	
		5-17-65	96.7	252.3	
		6-15-65	101.2	247.8	
		7-20-65	103.7	245.3	
		8-20-65	104.4	244.6	
		9-20-65	101.7	247.3	
07S/02E-33C 1 M	462.0	7-14-64	20.7	441.3	2400
		8-14-64	21.1	440.9	
		9-21-64	22.4	439.6	
		10-14-64	23.2	438.8	
		11-17-64	21.9	440.1	
		12-17-64	22.3	439.7	
		1-19-65	20.8	441.2	
		2-16-65	20.4	441.6	
		3-19-65	20.9	441.1	
		4-15-65	19.8	442.2	
		5-17-65	20.7	441.3	
		6-15-65	21.3	440.7	
		7-19-65	20.8	441.2	
		8-19-65	21.5	440.5	
		9-20-65	21.9	440.1	
07S/02W- 3Q 1 M	216.7	7- 1-64	362.0*	-145.3	2400
		8- 1-64	365.0*	-148.3	
		9- 1-64	351.0	-134.3	
		10- 1-64	450.0*	-233.3	
		11- 1-64	$		
		12- 1-64	$		
		1- 3-65	350.0*	-133.3	
		2- 1-65	346.0*	-129.3	
		3- 1-65	350.0*	-133.3	
		4- 1-65	339.0	-122.3	
		5- 4-65	370.0*	-153.3	
		6- 3-65	380.0*	-163.3	
		7- 1-65	357.0	-140.3	
		8- 1-65	365.0	-148.3	
		9- 1-65	368.0	-151.3	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA			2-09.02		
07S/02W- 4B 1 M	21M.0	7-24-64	203.1	14.9	2400
		8-26-64	215.5	2.5	
		9-30-64	237.2	-19.2	
		10-22-64	247.5	-29.5	
		11-24-64	246.6	-28.6	
		12-31-64	234.9	-16.9	
		1-28-65	232.6	-14.6	
		2-25-65	213.2	4.8	
		3-29-65	194.8	23.2	
		4-27-65	193.3	24.7	
		5-27-65	193.2	24.8	
		6-28-65	195.5	22.5	
		7-26-65	194.7	23.3	
		8-27-65	194.9	23.1	
		9-28-65	194.2	23.8	
07S/02W-22A 1 M	340.0	7-24-64	28.7*	311.3	2400
		8-26-64	27.4	312.6	
		9-30-64	57.0*	283.0	
		10-22-64	70.0*	270.0	
		11-25-64	27.5	312.5	
		12-31-64	22.4	317.6	
		1-13-65	15.1	324.9	
		2-25-65	16.7	323.3	
		3-30-65	15.8	324.2	
		4-27-65	13.9	326.1	
		5-27-65	17.3*	322.7	
		6-28-65	17.9	322.1	
		7-26-65	13.4	326.6	
		8-27-65	15.7	324.3	
		9-28-65	27.0*	313.0	
08S/01E- 7H 2 M	207.0	7- 2-64	93.7	113.3	2400
		8- 4-64	101.1	105.9	
		9- 3-64	103.8	103.2	
		10- 6-64	107.0	100.0	
		11- 4-64	114.9	92.1	
		12- 2-64	113.8	93.2	
		1- 6-65	111.6	95.4	
		2- 3-65	103.2	103.8	
		3- 1-65	93.5	113.5	
		4- 2-65	83.3	123.7	
		5-18-65	87.0*	120.0	
		6- 3-65	85.5	121.5	
		7- 8-65	80.6	126.4	
		8-10-65	80.1	126.9	
		9- 1-65	83.6	123.4	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA			2-09.02		
08S/01E-13H 1 M	1H4.6	7- 6-64	28.9	155.7	2400
		8- 7-64	27.2	157.4	
		9-15-64	26.4	158.2	
		10- 7-64	29.3	155.3	
		11- 6-64	29.9	154.7	
		12- 4-64	31.4	153.2	
		1-11-65	31.2	153.4	
		2- 5-65	30.4	154.2	
		3-11-65	29.8	154.8	
		4- 7-65	29.8	154.8	
		5- 6-65	26.5	158.1	
		6- 7-65	29.1	155.5	
		7-12-65	27.2	157.4	
		8-12-65	25.0	159.6	
		9-10-65	22.2	162.4	
08S/01W-15B 1 M	331.2	7- 2-64	36.2	295.0	2400
		8- 4-64	41.9	289.3	
		9- 2-64	43.5	287.7	
		10- 5-64	42.8	288.4	
		11- 3-64	41.3	289.9	
		12- 2-64	37.0*	294.2	
		1- 5-65	35.7	295.5	
		2- 2-65	34.0*	297.2	
		3- 4-65	33.3	297.9	
		4- 1-65	34.0	297.2	
		5- 4-65	33.6	297.6	
		6- 2-65	34.0*	297.2	
		7- 7-65	35.3	295.9	
		8-10-65	37.0*	294.2	
		9- 1-65	35.9	295.3	
08S/02E-20F 3 M	209.0	7- 7-64	27.0	182.0	2400
		8-10-64	30.2	178.8	
		9-15-64	33.8	175.2	
		10- 8-64	39.9	169.1	
		11- 9-64	39.7	169.3	
		12- 7-64	41.6	167.4	
		1-12-65	43.5	165.5	
		2- 5-65	42.7	166.3	
		3-11-65	42.0*	167.0	
		4- 7-65	38.7	170.3	
		5- 7-65	31.3	177.7	
		6- 8-65	29.3	179.7	
		7-13-65	30.8	178.2	
		8-13-65	28.0	181.0	
		9-13-65	25.4	183.6	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
SOUTH BAY AREA			2-09.02		
08S/02E-22D 1 M	239.1	7- 7-64	11.8	227.9	2400
		8- 7-64	12.7	227.0	
		9- 2-64	22.9	216.8	
		10- 8-64	24.5	215.2	
		11-10-64	23.8	215.9	
		12- 7-64	29.4	210.3	
		1-12-65	15.6	224.1	
		2- 5-65	17.7	222.0	
		3-11-65	11.1	228.6	
		4- 7-65	11.4	228.3	
		5- 7-65	10.8	228.9	
		6- 8-65	10.1	229.6	
		7-13-65	9.5	230.2	
		8-13-65	9.9	229.8	
		9-13-65	10.3	229.4	
09S/02E- 1J 1 M	314.6	7- 9-64	38.1	276.5	2400
		8-12-64	40.4	274.2	
		9-17-64	49.9	264.7	
		10- 9-64	48.2	266.4	
		11-13-64	52.7	261.9	
		12-11-64	56.2	258.4	
		1-15-65	49.3	265.3	
		2- 9-65	28.1	286.5	
		3-17-65	28.3	286.3	
		4- 8-65	28.6	286.0	
		5-12-65	28.8	285.8	
		6-10-65	37.8	276.8	
		7-13-65	35.0	279.6	
		8-17-65	32.2	282.4	
		9-15-65	30.2	284.4	
09S/02E- 1M 1 M	287.6	7- 7-64	31.5	256.1	2400
		8-10-64	30.9	256.7	
		9-16-64	33.8	253.8	
		10- 8-64	35.2	252.4	
		11-10-64	33.8	253.8	
		12- 7-64	36.7	250.9	
		1-12-65	31.4	256.2	
		2- 4-65	26.0	261.6	
		3-16-65	30.2	257.4	
		4- 8-65	29.6	258.0	
		5-10-65	21.8	265.8	
		6- 8-65	25.9	261.7	
		7-18-65	28.0	259.6	
		8-13-65	26.8	260.8	
		9-13-65	24.4	263.2	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
LIVERMORE VALLEY			2-10.00		
02S/01W-26C 1 M	416.9	9- 0-64	113.4	303.5	5100
		3- 0-65	48.8	368.1	
02S/02E-25N 1 M	555.3	9- 0-64	9.7	545.6	5100
		3- 0-65	8.7	546.6	
03S/01E- 7N 1 M	321.7	7-30-64	136.7	185.0	5100
		8-27-64	134.7	187.0	
		9-24-64	141.7	180.0	
		10-29-64	142.2	179.5	
		11-25-64	127.7	194.0	
		12-30-64	$		
		1-28-65	119.6	202.1	
		2-24-65	117.0	204.7	
		3-31-65	109.5	212.2	
		4-28-65	106.6	215.1	
		5-26-65	110.2	211.5	
		6-30-65	118.3	203.4	
		7-28-65	123.0	198.7	
		8-27-65	127.2	194.5	
		9-30-65	134.9	186.8	
03S/01E- 8D 2 M	339.5	7-30-64	88.2	251.3	5100
		8-27-64	89.1	250.4	
		9-24-64	90.8	248.7	
		10-29-64	85.2	254.3	
		11-25-64	83.2	256.3	
		12-30-64	76.7	262.8	
		1-28-65	77.7	261.8	
		2-24-65	74.1	265.4	
		3-31-65	73.7	265.8	
		4-28-65	71.1	268.4	
		5-26-65	71.2	268.3	
		6-30-65	71.0	268.5	
		7-28-65	75.4	264.1	
		8-27-65	76.7	262.8	
		9-30-65	77.2	262.3	
03S/01E- 9R 2 M	357.0	7-30-64	124.3#	232.7	5100
		8-27-64	127.8#	229.2	
		9-24-64	115.9	241.1	
		10-29-64	124.3	232.7	
		11-25-64	105.1	251.9	
		12-30-64	101.1	255.9	
		1-28-65	95.3	261.7	
		2-24-65	90.7	266.3	
		3-31-65	87.5	269.5	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
LIVERMORE VALLEY			2-10.00		
03S/01E-9R 2 M	357.0	4-26-65	84.8	272.2	5100
		5-26-65	106.4*	250.6	
		6-30-65	106.9*	250.1	
		7-28-65	109.4*	247.6	
		8-27-65	117.3	239.7	
		9-30-65	110.8	246.2	
03S/01E-10Q 2 M	368.7	7-30-64	136.0	232.7	5100
		8-27-64	144.1*	224.6	
		9-24-64	127.9	240.8	
		10-29-64	124.5	244.2	
		11-25-64	116.0	252.7	
		12-30-64	111.5	257.2	
		1-28-65	106.0	262.7	
		2-24-65	101.5	267.2	
		3-31-65	98.4	270.3	
		4-28-65	96.0	272.7	
		5-26-65	108.0*	260.7	
		6-30-65	113.3	255.4	
		7-28-65	118.5*	250.2	
		8-27-65	125.5	243.2	
		9-30-65	120.1	248.6	
03S/01E-11H 1 M	372.9	9- 0-64	142.6	230.3	5100
		3- 0-65	109.5	263.4	
03S/01E-17R 1 M	347.0	7-30-64	135.8	211.2	5100
		8-27-64	147.8	199.2	
		9-24-64	151.8	195.2	
		10-29-64	155.8	191.2	
		11-25-64	149.3	197.7	
		12-30-64	142.3	204.7	
		1-28-65	139.8	207.2	
		2-24-65	134.3	212.7	
		3-31-65	125.8	221.2	
		4-28-65	119.8	227.2	
		5-26-65	114.8	232.2	
		6-30-65	122.8	224.2	
		7-28-65	130.9	216.1	
		8-27-65	141.8	205.2	
		9-30-65	149.8	197.2	
03S/01E-19A 3 M	328.0	7-30-64	128.2*	199.8	5100
		8-27-64	140.7*	187.3	
		9-24-64	149.7	178.3	
		10-29-64	141.7	186.3	
		11-25-64	133.2	194.8	
		12-30-64	128.7	199.3	
		1-28-65	123.7	204.3	
		2-24-65	120.2	207.8	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
LIVERMORE VALLEY			2-10.00		
03S/01E-19A 3 M	328.0	3-31-65	113.7	214.3	5100
		4-28-65	110.5	217.5	
		5-26-65	117.8*	210.2	
		6-30-65	130.2*	197.8	
		7-28-65	130.2	197.8	
		8-27-65	139.7	188.3	
		9-30-65	143.7	184.3	
03S/02E- 2R 1 M	562.2	7- 0-64	*		5100
03S/02E-10H 1 M	551.0	9- 0-64	$		5100
		3- 0-65	128.8*	422.2	
03S/02E-16E 2 M	508.0	7-30-64	117.4	390.6	5100
		8-27-64	115.9	392.1	
		9-24-64	117.9	390.1	
		10-29-64	119.0	389.0	
		11-25-64	118.5	389.5	
		12-30-64	116.2	391.8	
		1-28-65	109.2	398.8	
		2-24-65	105.6	402.4	
		3-31-65	104.3	403.7	
		4-28-65	103.2	404.8	
		5-26-65	102.6	405.4	
		6-30-65	104.5	403.5	
		7-28-65	107.5	400.5	
		8-27-65	106.8	401.2	
		9-30-65	109.1	398.9	
03S/02E-19D 1 M	412.0	7-30-64	176.9	235.1	5100
		8-27-64	183.9	228.1	
		9-24-64	185.4	226.6	
		10-29-64	185.7	226.3	
		11-25-64	181.7	230.3	
		12-30-64	177.0	235.0	
		1-28-65	168.5	243.5	
		2-24-65	162.9	249.1	
		3-31-65	159.4	252.6	
		4-28-65	154.3	257.7	
		5-26-65	155.5	256.5	
		6-30-65	155.9	256.1	
		7-28-65	160.5	251.5	
		8-27-65	165.8	246.2	
		9-30-65	174.9	237.1	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
HALF MOON BAY TERRACE			2-22.00		
05S/05W-19J 1 M	54.0	3-17-65	24.6	28.4	5050
05S/05W-20L 1 M	73.0	7- 0-64	$		5050
05S/05W-29F 4 M	50.0	7-23-64	23.1	26.9	5050
		8-20-64	25.7*	24.3	
		9-21-64	26.0	24.0	
		10-21-64	26.9	23.1	
		11-19-64	24.0	26.0	
		12-22-64	24.9	25.1	
		1-20-65	13.5	36.5	
		2-18-65	14.5	35.5	
		3-17-65	15.9	34.1	
		4-21-65	15.1*	34.9	
		5-19-65	15.0	35.0	
		6-24-65	18.5	31.5	
		7-21-65	18.8	31.2	
		8-17-65	19.0	31.0	
		9-24-65	20.7	29.3	
05S/05W-29N 1 M	46.0	3-17-65	30.5	15.5	5050
05S/05W-32K 1 M	90.0	7-23-64	30.4	59.6	5050
		8-20-64	30.0	60.0	
		9-21-64	30.4	59.6	
		10-21-64	30.9	59.1	
		11-19-64	31.4	58.6	
		12-22-64	48.8*	41.2	
		1-20-65	33.9	56.1	
		2-18-65	32.0	58.0	
		3-17-65	32.5	57.5	
		4-21-65	33.5	56.5	
		5-19-65	33.5	56.5	
		6-24-65	28.7	61.3	
		7-21-65	28.8	61.2	
		8-17-65	33.4	56.6	
		9-24-65	29.2	60.8	
05S/06W-10J 1 M	35.0	3-17-65	.5	34.5	5050
06S/05W- 8B 1 M	108.0	7-23-64	56.7	51.3	5050
		8-20-64	60.9*	47.1	
		9-21-64	58.1	49.9	
		10-21-64	54.4	53.6	
		11-19-64	54.8	53.2	
		12-22-64	44.0*	64.0	
		1-20-65	60.0	48.0	
		2-18-65	57.3	50.7	
		3-17-65	60.5	47.5	
		4-21-65	58.7	49.3	
		5-19-65	59.1	48.9	
		6-24-65	62.0	46.0	
		7-21-65	62.2*	45.8	
		8-17-65	62.5*	45.5	
		9-24-65	61.2*	46.8	
SAN GREGORIO VALLEY			2-24.00		
07S/05W-13E 1 M	80.0	7-23-64	12.2	67.8	5050
		8-20-64	12.4	67.6	
		9-21-64	12.5	67.5	
		10-21-64	13.2	66.8	
		11-19-64	12.5	67.5	
		12-22-64	$		
		1-20-65	10.7	69.3	
		2-18-65	11.0	69.0	
		3-17-65	10.8	69.2	
		4-21-65	11.3	68.7	
		5-19-65	11.2	68.8	
		6-24-65	11.4	68.6	
		7-21-65	11.7	68.3	
		8-17-65	12.0	68.0	
		9-24-65	12.9	67.1	
07S/05W-15C 1 M	80.0	3-17-65	$		5050
07S/05W-15E 1 M	75.2	3-17-65	34.2	41.0	5050
07S/05W-15E 2 M	30.0	7-23-64	14.1	15.9	5050
		8-20-64	14.3	15.7	
		9-21-64	14.6	15.4	
		10-21-64	19.2*	10.8	
		11-19-64	13.9	16.1	
		12-22-64	$		
		1-20-65	12.1	17.9	
		2-18-65	13.1	16.9	
		3-17-65	$		
		4-21-65	12.6	17.4	
		5-19-65	16.9*	13.1	
		6-24-65	13.6	16.4	
		7-21-65	14.0	16.0	
		8-17-65	13.9	16.1	
		9-24-65	16.0	14.0	
07S/05W-15M 2 M	40.0	3-16-65	$		5050

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION					
PESCADERO VALLEY			2-26.00		
08S/05W- 9H 1 M	20.0	7-23-64	5.1	14.9	5050
		8-20-64	5.2	14.8	
		9-21-64	5.2	14.8	
		10-21-64	5.6	14.4	
		11-19-64	4.9	15.1	
		12-22-64	$		
		1-20-65	3.7	16.3	
		2-18-65	3.6	16.4	
		3-17-65	3.7	16.3	
		4-21-65	3.3	16.7	
		5-19-65	3.6	16.4	
		6-24-65	3.9	16.1	
		7-21-65	4.5*	15.5	
		8-17-65	5.2	14.8	
		9-24-65	4.5	15.5	
08S/05W-10K 1 M	37.0	7-22-64	19.2	17.8	5050
		8-20-64	20.0	17.0	
		9-21-64	20.5	16.5	
		10-21-64	19.4	17.6	
		11-19-64	18.7	18.3	
		12-22-64	$		
		1-20-65	10.2	26.8	
		2-18-65	13.8	23.2	
		3-17-65	15.3	21.7	
		4-21-65	12.8	24.2	
		5-19-65	15.1	21.9	
		6-24-65	16.9	20.1	
		7-21-65	17.8	19.2	
		8-17-65	19.2	17.8	
		9-24-65	18.7	18.3	
08S/05W-11F 1 M	70.0	7-23-64	13.5	56.5	5050
		8-20-64	14.9	55.1	
		9-21-64	15.2	54.8	
		10-21-64	15.3	54.7	
		11-19-64	13.5	56.5	
		12-22-64	$		
		1-20-65	7.9	62.1	
		2-18-65	9.7	60.3	
		3-17-65	10.3	59.7	
		4-21-65	6.4	63.6	
		5-19-65	9.5	60.5	
		6-24-65	10.9	59.1	
		7-21-65	12.2	57.8	
		8-17-65	13.3	56.7	
		9-24-65	15.1	54.9	
08S/05W-11K 2 M	60.0	3-17-65	7.6	52.4	5050
08S/05W-11M 1 M	45.0	3-17-65	$		5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
SOQUEL VALLEY			3-01.00		
11S/01W- 9L 1 M	124.2	7-23-64	57.7	66.5	5050
		8-20-64	57.7	66.5	
		9-22-64	58.0	66.2	
		10-21-64	58.4	65.8	
		11-18-64	58.0	66.2	
		12-22-64	59.6	64.6	
		1-19-65	59.2	65.0	
		2-17-65	58.7	65.5	
		3-17-65	58.3	65.9	
		4-20-65	55.9	68.3	
		5-18-65	57.4	66.8	
		6-23-65	58.3	65.9	
		7-21-65	57.4	66.8	
		8-21-65	56.9	67.3	
		9-23-65	58.2	66.0	
11S/01W-10C 1 M	90.0	7-23-64	61.5	28.5	5050
		8-20-64	62.1	27.9	
		9-22-64	59.6	30.4	
		10-21-64	61.2	28.8	
		11-18-64	61.4	28.6	
		12-22-64	60.2	29.8	
		1-19-65	59.7	30.3	
		2-17-65	59.8	30.2	
		3-17-65	58.9	31.1	
		4-20-65	62.2	27.8	
		5-18-65	60.0	30.0	
		6-23-65	60.7	29.3	
		7-21-65	61.1	28.9	
		8-21-65	61.5	28.5	
		9-23-65	60.7	29.3	
11S/01W-15E 2 M	87.0	7-23-64	70.0	17.0	5050
		8-20-64	72.2	14.8	
		9-22-64	71.6	15.4	
		10-21-64	71.9	15.1	
		11-18-64	57.8	29.2	
		12-22-64	57.0	30.0	
		1-19-65	57.4	29.6	
		2-17-65	57.3	29.7	
		3-17-65	57.2	29.8	
		4-20-65	57.1	29.9	
		5-18-65	70.0*	17.0	
		6-23-65	67.7	19.3	
		7-21-65	61.9	25.1	
		8-21-65	62.7	24.3	
		9-23-65	72.2	14.8	
11S/01W-15H 1 M	91.7	7- 0-64	*		5050

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
PAJARO VALLEY		3-02.00			
11S/02E-27A 1 M	141.0	7-22-64	98.7	42.3	5050
		8-19-64	99.6	41.4	
		9-22-64	99.1	41.9	
		10-21-64	99.0	42.0	
		11-18-64	97.8	43.2	
		12-29-64	98.2	42.8	
		1-19-65	96.5	44.5	
		2-17-65	96.1	44.9	
		3-16-65	96.6	44.4	
		4-20-65	97.1	43.9	
		5-18-65	96.3	44.7	
		6-23-65	97.6	43.4	
		7-21-65	104.1*	36.9	
		8-21-65	104.5*	36.5	
		9-24-65	94.0	47.0	
12S/01E-24G 1 M	9.4	7-22-64	25.2	-15.8	5050
		8-19-64	$		
		9-22-64	17.0	-7.6	
		10-21-64	16.5	-7.1	
		11-18-64	7.7	1.7	
		12-29-64	6.9	2.5	
		1-19-65	4.8	4.6	
		2-17-65	4.8	4.6	
		3-16-65	3.5	5.9	
		4-20-65	5.1	4.3	
		5-18-65	15.1	-5.7	
		6-23-65	18.8	-9.4	
		7-21-65	18.9	-9.5	
		8-21-65	17.1	-7.7	
		9-23-65	18.2	-8.8	
12S/02E-11E 4 M	36.0	7-22-64	41.2*	-5.2	5050
		8-19-64	38.6*	-2.6	
		9-22-64	34.9*	1.1	
		10-21-64	$		
		11-17-64	29.0	7.0	
		12-22-64	$		
		1-19-65	22.3	13.7	
		2-17-65	20.8*	15.2	
		3-16-65	30.6*	5.4	
		4-20-65	21.6	14.4	
		5-18-65	27.1	8.9	
		6-23-65	$		
		7-21-65	65.9*	-29.9	
		8-21-65	33.6	2.4	
		9-25-65	31.8*	4.2	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
PAJARO VALLEY		3-02.00			
12S/02E-16J 1 M	20.5	7-22-64	$		5050
		8-19-64	26.9	-6.4	
		9-22-64	26.0	-5.5	
		10-21-64	20.9	-0.4	
		11-18-64	17.1	3.4	
		12-29-64	20.4*	.1	
		1-19-65	12.6	7.9	
		2-17-65	11.6	8.9	
		3-16-65	11.7	8.8	
		4-20-65	11.2	9.3	
		5-18-65	21.9	-1.4	
		6-23-65	24.9	-4.4	
		7-21-65	24.4	-3.9	
		8-21-65	22.7	-2.2	
		9-24-65	23.2	-2.7	
12S/02E-31K 1 M	30.0	3-17-65	25.7	4.3	2100
13S/01E- 1A 1 M	5.0	3-16-65	1.6	3.4	2100
13S/02E- 5H 1 M	136.0	7-22-64	142.5	-6.5	5050
		8-19-64	142.2	-6.2	
		9-23-64	141.3	-5.3	
		10-21-64	141.1	-5.1	
		11-18-64	140.3	-4.3	
		12-22-64	140.1	-4.1	
		1-19-65	137.9	-1.9	
		2-17-65	136.6	-0.6	
		3-16-65	131.6	4.4	
		4-20-65	135.2	.8	
		5-18-65	135.6	.4	
		6-23-65	137.5	-1.5	
		7-21-65	142.2	-6.2	
		8-21-65	139.7	-3.7	
		9-24-65	140.6	-4.6	
13S/02E- 6H 1 M	15.0	7-22-64	18.0	-3.0	5050
		8-19-64	18.3	-3.3	
		9-23-64	18.8	-3.8	
		10-21-64	19.1	-4.1	
		11-18-64	16.5	-1.5	
		12-22-64	14.3	.7	
		1-19-65	13.2	1.8	
		2-17-65	12.5	2.5	
		3-16-65	13.0	2.0	
		4-20-65	12.0	3.0	
		5-18-65	13.3	1.7	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
PAJARO VALLEY			3-02.00		
13S/02E-6B 1 M	15.0	6-23-65	17.4	-2.4	5050
		7-21-65	17.1	-2.1	
		8-21-65	18.5	-3.5	
		9-24-65	18.9	-3.9	
13S/02E- 6C 1 M	26.0	3-16-65	21.8	4.2	2100
13S/02E- 6E 2 M	27.8	3-16-65	22.8	5.0	2100
13S/02E- 6E 3 M	30.0	3-16-65	26.6	3.4	2100
GILROY-HOLLISTER VALLEY			3-03.00		
SOUTH SANTA CLARA COUNTY			3-03.01		
09S/03E-16J 1 M	385.7	3-16-65	109.2	276.5	2400
09S/03E-21K 2 M	361.6	3-16-65	90.1*	271.5	2400
09S/03E-22B 3 M	379.1	3-16-65	105.6*	273.5	2400
09S/03E-23E 1 M	362.5	3-16-65	105.0	257.5	2400
09S/03E-26P 1 M	329.1	3-17-65	75.3	253.8	2400
09S/03E-27C 2 M	347.0	7- 8-64	85.6*	261.4	2400
		8-11-64	87.3	259.7	
		9-17-64	86.6	260.4	
		10- 9-64	94.5*	252.5	
		11-12-64	95.4*	251.6	
		12- 8-64	96.5	250.5	
		1-15-65	91.8	255.2	
		2- 9-65	86.5*	260.5	
		3-16-65	86.8*	260.2	
		4- 9-65	79.0	268.0	
		5-11-65	75.7	271.3	
		6- 9-65	82.7*	264.3	
		7-15-65	80.9*	266.1	
		8-16-65	90.5*	256.5	
		9-14-65	90.7*	256.3	
09S/03E-29B 1 M	397.6	3-15-65	11.9	385.7	5050
09S/03E-34Q 2 M	327.0	3-17-65	63.4	263.6	2400

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
SOUTH SANTA CLARA COUNTY			3-03.01		
09S/03E-34Q 1 M	314.2	3-17-65	53.7	260.5	2400
09S/03E-36E 2 M	309.3	3-17-65	85.6	223.7	2400
09S/03E-36F 3 M	322.0	3-17-65	90.5	231.5	2400
10S/03E- 2K 3 M	290.0	7-21-64	59.2	230.8	5050
		8-19-64	$		
		9-24-64	79.5	210.5	
		10-20-64	88.3	201.7	
		11-17-64	81.9	208.1	
		12-21-64	95.2*	194.8	
		1-18-65	63.4	226.6	
		2-18-65	48.6*	241.4	
		3-15-65	47.0	243.0	
		4- 0-65	42.8	247.2	
		5-17-65	43.2	246.8	
		6-22-65	51.0*	239.0	
		7-20-65	$		
		8-20-65	53.2	238.8	
		9-24-65	53.2	236.8	
10S/03E-13J 3 M	251.0	7-21-64	63.2	187.8	5050
		8-19-64	72.0*	179.0	
		9-24-64	75.7	175.3	
		10-20-64	75.5	175.5	
		11-17-64	69.3	181.7	
		12-21-64	66.2	184.8	
		1-18-65	53.6	197.4	
		2-18-65	43.5	207.5	
		3-15-65	38.2	212.8	
		4-20-65	33.3	217.7	
		5-17-65	35.2	215.8	
		6-22-65	46.3	204.7	
		7-20-65	49.9	201.1	
		8-20-65	48.4	202.6	
		9-24-65	45.9	205.1	
10S/03E-36E 3 M	220.0	7-21-64	37.5	182.5	5050
		8-19-64	37.8	182.2	
		9-24-64	38.2	181.8	
		10-20-64	37.9	182.1	
		11-17-64	37.5	182.5	
		12-21-64	37.5	182.5	
		1-19-65	36.8	183.2	
		2-18-65	36.5	183.5	
		3-15-65	36.5	183.5	
		4-19-65	36.6	183.4	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
SOUTH SANTA CLARA COUNTY			3-03.01		
10S/03E-36E 3 M	220.0	5-17-65	34.9	185.1	5050
		6-22-65	36.2	183.8	
		7-20-65	36.6	183.4	
		8-20-65	37.2	182.8	
		9-24-65	36.8	183.2	
10S/04E-1B6 2 M	259.5	7-21-64	*		5050
		8-14-64	78.2	181.3	
		9-24-64	79.3	180.2	
		10-20-64	86.2	173.3	
		11-17-64	82.2	177.3	
		12-21-64	79.4	180.1	
		1-18-65	70.3	189.2	
		2-15-65	59.5	200.0	
		3-15-65	53.6	205.9	
		4-20-65	61.9	197.6	
		5-17-65	48.7	210.8	
		6-22-65	58.9*	200.6	
		7-20-65	57.8	201.7	
		8-20-65	56.9	202.6	
		9-24-65	55.4	204.1	
10S/04E-31G 4 M	191.5	7-27-64	40.5	151.0	5200
		8-17-64	45.5	152.0	
		9-21-64	43.5	154.0	
		10-19-64	40.5	151.0	
		11-16-64	40.5	157.0	
		12-21-64	36.5	161.0	
		1-18-65	28.5	169.0	
		2-15-65	23.5	174.0	
		3-15-65	23.5	174.0	
		4-19-65	18.5	179.0	
		5-17-65	19.5	178.0	
		6-21-65	28.5	169.0	
		7-19-65	31.5	166.0	
		8-16-65	32.5	165.0	
		9-20-65	31.5	166.0	
10S/04E-35E 1 M	244.0	3-15-65	78.3	169.7	5050
11S/03E- 1A 1 M	227.0	7- 0-64	*		5400
11S/04E- 6B 1 M	197.2	7-20-64	51.0	146.2	5200
		8-17-64	54.0	143.2	
		9-21-64	52.0	145.2	
		10-19-64	54.0	143.2	
		11-16-64	48.0	149.2	
		12-21-64	30.0	167.2	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
SOUTH SANTA CLARA COUNTY			3-03.01		
11S/04E-6B 1 M	197.2	1-18-65	35.0	162.2	5200
		2-15-65	30.0	167.2	
		3-15-65	28.0	169.2	
		4-19-65	25.0	172.2	
		5-17-65	29.0	168.2	
		6-21-65	37.0	160.2	
		7-19-65	41.0	156.2	
		8-16-65	40.0	157.2	
		9-20-65	38.0	159.2	
11S/04E-6D 1 M	211.0	7-20-64	66.0	145.0	5200
		8-12-64	68.0	143.0	
		9-21-64	66.0	145.0	
		10-19-64	68.0	143.0	
		11-16-64	64.0	147.0	
		12-21-64	62.0	149.0	
		1-18-65	51.0	160.0	
		2-15-65	47.0	164.0	
		3-15-65	45.0	166.0	
		4-19-65	42.0	169.0	
		5-17-65	45.0	166.0	
		6-21-65	53.0	158.0	
		7-19-65	55.0	156.0	
		8-16-65	56.0	155.0	
		9-20-65	53.0	158.0	
11S/04E-6H 1 M	191.5	7-20-64	50.0	141.5	5200
		8-17-64	52.0	139.5	
		9-21-64	50.0	141.5	
		10-19-64	52.0	139.5	
		11-16-64	45.0	146.5	
		12-21-64	43.0	148.5	
		1-18-65	33.0	158.5	
		2-15-65	28.0	163.5	
		3-15-65	25.0	166.5	
		4-19-65	24.0	167.5	
		5-17-65	27.0	164.5	
		6-21-65	36.0	155.5	
		7-19-65	40.0	151.5	
		8-16-65	40.0	151.5	
		9-20-65	37.0	154.5	
11S/04E-6P 2 M	201.7	7-20-64	63.0	138.7	5200
		8-17-64	65.0	136.7	
		9-21-64	64.0	137.7	
		10-19-64	65.0	136.7	
		11-16-64	62.0	139.7	
		12-21-64	60.0	141.7	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
SOUTH SANTA CLARA COUNTY			3-03.01		
11S/04E-6P 2 M	201.7	1-18-65	50.0	151.7	5200
		2-15-65	45.0	156.7	
		3-15-65	44.0	157.7	
		4-19-65	41.0	160.7	
		5-17-65	44.0	157.7	
		6-21-65	50.0	151.7	
		7-19-65	53.0	148.7	
		8-18-65	54.0	147.7	
		9-20-65	53.0	148.7	
11S/04E- 8R 2 M	179.0	7-21-64	39.9	139.1	5050
		8-19-64	42.3	136.7	
		9-24-64	38.6	140.4	
		10-20-64	37.8	141.2	
		11-17-64	35.0	144.0	
		12-21-64	33.9	145.1	
		1-19-65	24.2	154.8	
		2-16-65	20.0	159.0	
		3-15-65	18.9	160.1	
		4-19-65	14.2*	164.8	
		5-17-65	19.0	160.0	
		6-22-65	28.1	150.9	
		7-20-65	32.1	146.9	
		8-20-65	33.0	146.0	
		9-25-65	28.9	150.1	
SAN BENITO COUNTY			3-03.02		
11S/05E-13D 1 M	255.7	7-22-64	34.6	221.1	5050
		8-19-64	37.3	218.4	
		9-24-64	43.2	212.5	
		10-20-64	40.2*	215.5	
		11-17-64	43.2*	212.5	
		12-22-64	44.3	211.4	
		1-19-65	26.7	229.0	
		2-17-65	22.6	233.1	
		3-16-65	22.4	233.3	
		4- 0-65	22.2	233.5	
		5-18-65	23.8	231.9	
		6-22-65	$		
		7-21-65	34.8*	220.9	
		8-20-65	25.8*	229.9	
		9-25-65	24.3*	231.4	
12S/04E-20C 1 M	152.4	3- 0-65	35.0	117.4	5101

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
SAN BENITO COUNTY			3-03.02		
12S/05E-10H 1 M	211.6	7-22-64	90.2	121.4	5050
		8-19-64	94.8	116.8	
		9-24-64	96.7	114.9	
		10-20-64	99.3	112.3	
		11-17-64	95.9	115.7	
		12-22-64	93.9	117.7	
		1-19-65	90.3	121.3	
		2-17-65	91.6	120.0	
		3-16-65	85.6	126.0	
		4-19-65	85.2	126.4	
		5-18-65	87.9	123.7	
		6-22-65	89.8	121.8	
		7-21-65	91.1	120.5	
		8-20-65	94.6	117.0	
		9-25-65	94.1	117.5	
12S/05E-12M 4 M	215.0	7-22-64	94.0	121.0	5050
		8-19-64	104.2	110.8	
		9-24-64	100.3	114.7	
		10-20-64	102.2	112.8	
		11-17-64	97.5	117.5	
		12-22-64	94.3	120.7	
		1-19-65	91.8	123.2	
		2-17-65	85.8	129.2	
		3-16-65	82.0	133.0	
		4-19-65	79.9	135.1	
		5-18-65	79.0	136.0	
		6-22-65	80.3	134.7	
		7-21-65	81.6	133.4	
		8-20-65	82.9	132.1	
		9-25-65	84.8	130.2	
12S/05E-33A 1 M	280.0	7-22-64	101.6	178.4	5050
		8-19-64	$		
		9-28-64	104.3	175.7	
		10-20-64	97.8	182.2	
		11-17-64	96.1	183.9	
		12-22-64	107.1*	172.9	
		1-19-65	94.5	185.5	
		2-17-65	92.9	187.1	
		3-16-65	87.5	192.5	
		4-20-65	84.6	195.4	
		5-18-65	87.6	192.4	
		6-22-65	89.8	190.2	
		7-21-65	90.8	189.2	
		8-20-65	$		
		9-25-65	93.9*	186.1	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
SAN BENITO COUNTY			3-03.02		
12S/05E-35N 2 M	303.0	7-22-64	108.9	194.1	5050
		8-19-64	113.2	189.8	
		9-23-64	127.6	175.4	
		10-20-64	132.8	170.2	
		11-17-64	123.2	179.8	
		12-22-64	122.1	180.9	
		1-19-65	113.9	189.1	
		2-17-65	112.4	190.6	
		3-16-65	111.5	191.5	
		4-20-65	$		
		5-18-65	110.3	192.7	
		6-22-65	$		
		7-21-65	123.4	179.6	
		8-20-65	132.3	170.7	
		9-25-65	$		
13S/05E-11Q 1 M	325.5	3- 0-65	59.6	265.9	5101
SALINAS VALLEY			3-04.00		
PRESSURE AREA 180 FOOT AQUIFER			3-04.01		
14S/02E- 3C 1 M	10.6	12-10-64	15.7	-5.1	2100
		3-25-65	13.8	-3.2	
14S/02E-15L 1 M	23.0	12- 9-64	23.4	-0.4	2100
		3-22-65	22.8	.2	
15S/02E- 1Q 1 M	42.0	7-16-64	$		2100
		8-18-64	$		
		9-13-64	60.2	-18.2	
		10-15-64	$		
		11-18-64	43.5	-1.5	
		12-15-64	34.6	7.4	
		1-18-65	31.6	10.4	
		2-17-65	29.6	12.4	
		3-23-65	39.9	2.1	
		4-20-65	$		
		5-18-65	$		
		6-16-65	54.8	-12.8	
		7-18-65	$		
		8-15-65	$		
		9-17-65	$		
15S/03E-16M 1 M	58.0	12-16-64	49.6	8.4	2100
		3-24-65	47.7	10.3	
15S/04E-33A 1 M	125.0	12-18-64	87.7	37.3	2100
		4- 1-65	$		
16S/04E-11D 1 M	110.0	12-17-64	54.3	55.7	2100
		3-30-65	49.8	60.2	
PRESSURE AREA 400 FOOT AQUIFER			3- 4. 1		
13S/02E-31Q 1 M	11.0	12- 7-64	11.0	0.0	2100
		3-18-65	9.4	1.6	
14S/03E-18J 1 M	69.0	7-16-64	$		2100
		8-18-64	$		
		9-13-64	96.7	-27.7	
		10-15-64	92.4	-23.4	
		11-18-64	77.6	-8.6	
		12-15-64	70.5	-1.5	
		1-18-65	66.0	3.0	
		2-17-65	65.0	4.0	
		3-25-65	71.4	-2.4	
		4-20-65	65.6	3.4	
		5-18-65	85.1	-16.1	
		6-16-65	$		
		7-18-65	$		
		8-15-65	97.1	-28.1	
		9-17-65	93.3	-24.3	
EAST SIDE AREA			3-04.02		
16S/05E-17R 1 M	181.0	12-16-64	110.3	70.7	2100
		4- 6-65	108.4	72.6	
ARROYO SECO CONE			3-04.04		
18S/06E-15M 1 M	277.0	12- 4-64	95.8	181.2	2100
		3-25-65	88.0	189.0	
19S/06E-11C 1 M	373. 0	7-15-64	$		2100
		8-17-64	$		
		9-13-64	192.8	180.2	
		10-14-64	185.7	187.3	
		11-18-64	178.0	195.0	
		12-19-64	172.4	200.6	
		1-19-65	164.1	208.9	
		2-16-65	155.4	217.6	
		3-23-65	155.0	218.0	
		4-20-65	148.9	224.1	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
ARROYO SECO CONE		3-04.04			
19S/06E-11C 1 M	373.0	5-17-65	153.4	219.6	2100
		6-15-65	160.6	212.4	
		7-18-65	167.8	205.2	
		8-15-65	181.7	191.3	
		9-16-65	$		
UPPER VALLEY AREA		3-04.05			
19S/07E-10P 1 M	315.0	7-15-64	$		2100
		8-17-64	$		
		9-13-64	87.6	227.4	
		10-14-64	86.0	229.0	
		11-18-64	81.5	233.5	
		12- 9-64	$		
		1-18-65	80.5	234.5	
		2-16-65	83.8	231.2	
		4- 5-65	82.5	232.5	
		4-20-65	81.7	233.3	
		5-17-65	24.1*	290.9	
		6-15-65	$		
		7-18-65	$		
		8-15-65	92.8	222.2	
		9-16-65	89.6	225.4	
20S/08E- 5R 1 M	337.0	7-15-64	$		2100
		8-17-64	$		
		9-13-64	$		
		10-14-64	67.0	270.0	
		11-18-64	64.5	272.5	
		12-18-64	63.7	273.3	
		1-18-65	62.1	274.9	
		2-16-65	63.5	273.5	
		4- 5-65	65.3	271.7	
		4-20-65	$		
		5-17-65	$		
		6-15-65	$		
		7-18-65	73.1	263.9	
		8-15-65	$		
		9-16-65	71.0	266.0	
21S/09E- 6K 1 M	344.0	12- 8-64	11.3	332.7	2100
		3-22-65	$		
21S/10E-32N 1 M	400.0	12- 7-64	22.0	378.0	2100
		3-18-65	21.6	378.4	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
UPPER VALLEY AREA		3-04.05			
22S/10E-16K 1 M	472.0	12- 7-64	73.0	399.0	2100
		3-18-65	$		
PASO ROBLES BASIN		3-04.06			
24S/10E-11C 1 M	620.0	9-30-64	52.0	568.0	5117
		4- 5-65	54.3	565.7	
24S/11E-25N 1 M	603.3	9-30-64	39.4	563.9	5117
		4- 5-65	38.1	565.2	
24S/11E-33R 1 M	565.0	9-30-64	33.0	532.0	5117
		4- 5-65	32.2	532.8	
24S/11E-35J 1 M	616.8	9-30-64	62.7	554.1	5117
		4- 5-65	62.1	554.7	
24S/12E-17N 1 M	770.0	9-30-64	17.6	752.4	5117
24S/15E-33C 1 M	1225.0	10- 1-64	38.0	1187.0	5117
		4- 7-65	29.9	1195.1	
25S/11E-35G 1 M	895.0	10- 1-64	57.6	837.4	5117
		3-30-65	55.3	839.7	
25S/12E-17J 1 M	840.0	9-30-64	78.0	562.0	5117
		4- 5-65	57.0	583.0	
25S/12E-17R 1 M	639.0	9-30-64	71.8	567.2	5117
		4- 5-65	57.4	581.6	
25S/12E-26K 1 M	749.0	10- 1-64	204.0	545.0	5117
		4- 1-65	104.0	645.0	
25S/13E-11E 1 M	1185.0	10- 1-64	41.2	1143.8	5117
		4- 1-65	60.4	1124.6	
25S/16E-17L 1 M	1165.0	10- 1-64	36.8	1128.2	5117
		4- 7-65	33.1	1131.9	
25S/16E-30M 1 M	1218.0	10- 1-64	68.9	1149.1	5117
		4- 7-65	69.5	1148.5	
26S/12E- 4N 1 M	675.0	10- 1-64	52.8	622.2	5117
		3-30-65	46.2	628.8	
26S/12E-26E 1 M	840.0	10- 9-64	211.8	628.2	5117
		4- 1-65	195.9	644.1	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
PASO ROBLES BASIN			3-04.06		
26S/12E-35M 1 M	818.0	10- 1-64	175.0	643.0	5117
		3-30-65	163.7	654.3	
26S/13E-10D 1 M	800.0	10- 8-64	34.8	765.2	5117
		4- 7-65	20.4	779.6	
26S/13E-34H 1 M	1005.0	10- 9-64	171.7	833.3	5117
		4- 7-65	151.0	854.0	
26S/14E-16L 1 M	1018.0	10- 8-64	85.8	932.2	5117
		4- 7-65	71.6	946.4	
26S/14E-35D 1 M	1135.0	10- 7-64	92.9	1042.1	5117
		4-13-65	107.4	1027.6	
26S/15E- 2B 1 M	1115.0	10- 8-64	30.5	1084.5	5117
		4- 7-65	30.4	1084.6	
26S/15E-28Q 2 M	1112.0	10- 8-64	108.5	1003.5	5117
		4-14-65	67.0	1045.0	
26S/15E-29N 1 M	1133.0	10- 8-64	119.0	1014.0	5117
		4-13-65	96.0	1037.0	
27S/12E-21N 1 M	748.0	10- 1-64	21.5	726.5	5117
27S/12E-21N 1 M	748.0	3-30-65	7.5	740.5	5117
27S/13E-24N 1 M	1030.0	10- 4-64	53.3	976.7	5117
		4-13-65	10.3	1019.7	
27S/13E-32H 1 M	1105.0	10- 4-64	56.0	1049.0	5117
		4-12-65	54.5	1050.5	
27S/15E-10R 2 M	1130.0	10- 8-64	65.1	1064.9	5117
		4-14-65	57.1	1072.9	
27S/15E-13A 1 M	1155.0	10- 7-64	21.7	1133.3	5117
		4-14-65	28.4	1126.6	
27S/16E-21E 2 M	1255.0	10- 7-64	58.9	1196.1	5117
		4-14-65	58.5	1196.5	
28S/12E-10G 1 M	825.0	10- 9-64	$		5117
		3-29-65	8.1	816.9	
28S/12E-10R 2 M	805.0	10- 9-64	29.7	775.3	5117
28S/12E-10R 2 M	805.0	3-29-65	10.0	795.0	5117
28S/12E-13N 1 M	850.0	10- 4-64	14.6	835.4	5117
		3-30-65	8.2	841.8	
28S/12E-14G 1 M	824.6	10- 4-64	2.6	822.0	5117
		3-30-65	.5	824.1	
28S/13E- 4K 1 M	1199.5	10- 4-64	63.6	1135.9	5117
		4-13-65	51.7	1147.8	
28S/13E- 4K 2 M	1195.0	10- 4-64	77.4	1117.6	5117
		4-13-65	75.5	1119.5	
28S/14E- 7E 1 M	1150.0	10- 4-64	$		5117
		4-13-65	$		
28S/16E-23M 1 M	1440.0	10- 7-64	48.0	1392.0	5117
		4-14-65	48.4	1391.6	
29S/13E- 5F 3 M	916.1	10- 9-64	21.3	894.8	5117
		3-29-65	16.9	899.2	
29S/13E- 5K 2 M	928.0	10- 9-64	16.6	911.4	5117
		3-29-65	14.9	913.1	
29S/13E- 6A 1 M	920.0	10- 9-64	68.5	851.5	5117
		3-29-65	48.9	871.1	
29S/13E-19H 1 M	1002.0	10- 9-64	12.8	989.2	5117
		3-29-65	5.4	996.6	
SEASIDE AREA			3-04.08		
14S/02E-31M 1 M	119.9	7-00-64	126.8	-6.9	5005
		8-00-64	127.8	-7.9	
		9-00-64	127.6	-7.7	
		10-00-64	125.6	-5.7	
		11-00-64	123.7	-3.8	
		12-00-64	121.9	-2.0	
		1-00-65	120.3	-0.4	
		2-00-65	120.6	-0.7	
		4-00-65	123.2	-3.3	
		5-00-65	123.9	-4.0	
		6-00-65	125.6	-5.7	
		7-00-65	127.8	-7.9	
		8-00-65	127.2	-7.3	
		9-00-65	126.5	-6.6	

TABLE C-3

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION					
SEASIDE AREA			3-04.08		
15S/01E-14N 1 M	144.6	7-00-64	110.7	33.9	5005
		8-00-64	111.0	33.6	
		9-00-64	110.7	33.9	
		10-00-64	110.8	33.8	
		11-00-64	108.1	36.5	
		12-00-64	105.6	39.0	
		1-00-65	106.5	38.1	
		2-00-65	106.5	38.1	
		4-00-65	107.2	37.4	
		5-00-65	110.0	34.6	
		6-00-65	109.7	34.9	
		7-00-65	112.7	31.9	
		8-00-65	112.9	31.7	
		9-00-65	108.9	35.7	
CARMEL VALLEY			3-07.00		
16S/01E-16L 1 M	75.0	4-14-65	18.9	56.1	2100
16S/01E-22E 1 M	82.0	4-14-65	27.1	54.9	2100
16S/01E-23F 1 M	109.0	4-14-65	24.5	84.5	2100
16S/01E-25B 1 M	140.0	4-14-65	15.0	125.0	2100
WEST SANTA CRUZ TERRACE			3-26.00		
11S/2W-22K 1 M	30.0	11-12-64	81.7	-51.7	5102
		3-18-65	72.2	-42.2	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA

Appendix D

SURFACE WATER QUALITY

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INTRODUCTION

Data presented in this appendix are measured values of selected quality characteristics of surface water samples collected in the Central Coastal Area during the period from October 1, 1964, through September 30, 1965.

Methods and Procedures

Laboratory alalyses were performed by the Department of Water Resources and the U. S. Geological Survey in accordance with "Standard Methods for the Examination of Water and Waste Water", 11th Edition, or with U. S. Geological Survey Water Supply Paper 1454, "Methods for Collection and Analyses of Water Samples". The methods yield comparable accuracy.

Tabulated values for dissolved minerals are the analytical quantity reported in parts per million (ppm) and a computed value for equivalents per million (epm). Total dissolved solids reported were determined by gravimetric determination at $180^{o}C$. Values for temperature are those measured in the field at the time of sampling. Trace element (heavy metal) concentrations were determined both by "wet" analyses and by the spectrographic method. Turbidities determined in the field are reported in Jackson candle units and those determined in the laboratory in parts per million silica. Color is reported in color units.

Coding

The station number is an arbitrary number that has been assigned to each station. The locations of the stations are shown on Plate 3.

EXPLANATION OF FIGURES AND TABLES

Definitions of abbreviations used in this appendix and not defined on the tables are as follows:

ABS	Alkyl benzene sulphonate
Al	Aluminum
As	Arsenic
BHC	Benzene hexachloride
BOD	Biochemical oxygen demand in parts per million
C	Celsius (centigrade)
cfs	Cubic feet per second
Cu	Copper
DWR	Department of Water Resources
F	Fahrenheit
Fe	Iron
Fld	Field
Lab	Laboratory
Mn	Manganese
MPN/ml	Most probable number per milliliter
N.C.	Non-carbonate
Pb	Lead
pH	The negative logarithm of the effective hydrogen ion concentration
PO_4	Phosphates
ppDDD	Para-para dichlorodiphenyldichloroethane
ppDDE	Para-para dichlorophenyldichloroethene
ppDDT	Para-para dichlorodiphenyltrichloroethane
ppm	Parts per million
PST	Pacific Standard Time
Susp.	Suspended
USGS	U. S. Geological Survey
Zn	Zinc

Specific Conductance

Data from two electrical conductivity recorders are presented in Figures D-1 and D-2. These data are machine prepared graphs. Daily mean values are plotted in Figure D-1 and single daily readings at 1300 hours are plotted in Figure D-2. Each figure or graph presents the data from a station.

Sampling Station Data and Index

Table D-1, "Sampling Station Data and Index", is an alphabetic listing of stations from which surface water samples were collected. The analyses of these samples are reported in subsequent tables. The station number is an arbitrary number that has been assigned to each station. The location pertains to either the township, range, and section of the Public Land Survey or to latitude and longitude. The stations are classified into basic data, investigational, and operational types.

Analyses of Surface Water

Table D-2, "Analyses of Surface Water", includes physical characteristics of the water and results of mineral and bacterial analyses. The data are presented by region and by stream from north to south within a region. At the time the samples were collected for laboratory examination, field determinations were made for dissolved oxygen (DO) by the modified Winkler method, water temperature, and pH. Visual inspections were made of the streams and the physical conditions were noted. This information is kept on file with the Department.

Samples collected for bacterial examination were analyzed by the laboratory as quickly as possible. Results of bacterial determinations presented in this appendix should be considered as qualitative and quantitative indicators. Undue weight should not be given to the values for quantitative purposes.

Data from operational stations are shown separately at the end of the table. These data consist of analyses of South Bay Aqueduct water.

Summary of Coliform Analyses

Coliform data included in Table D-2 are made more usable by summarizing the results of the analyses of the 24 samples collected at each station during the year. Table D-3 is a summary of these analyses.

Analyses of Trace Elements in Surface Water

Spectrographic analyses were made to determine the concentration of 17 different elements in surface water samples. Most of these elements are present in very small amounts and are often called trace metals. The concentrations indicated in Table D-4 are in parts per billion instead of parts per million which is commonly used in reference to concentrations of mineral constituents. The symbols included with the constituent quantities are:

> Greater than the amount indicated

< Less than the amount indicated

$\leqq$ Equal to or slightly less than the amount indicated.

Radioassays of Surface Water

Table D-5, "Radioassays of Surface Water", presents the radioactivity of surface water samples collected at 23 monitoring stations. The samples were collected in May and September at the same time that samples were collected for standard mineral analyses shown on Table D-2. The methods and procedures of sample preparation and determination of radioactivity in water are described in "Standard Methods for the Examination of Water and Waste Water", 11th Edition. The samples were analyzed by the Department of Public Health. Results are expressed in micro-micro curies per liter or by the equivalent units of pico curies per liter (PC/l). These units are defined as 10^{-12} curies. The most probable error is reported along with the measured value. Results should be considered qualitative and undue emphasis should not be given to quantitative values.

Four values are reported for each sample: (a) alpha activity in the filtrate (dissolved material), (b) alpha activity in the solids retained on the filter (suspended material), (c) beta activity in the filtrate, and (d) beta activity in the solids. Sample counts are corrected for background and geometric efficiency. Standard statistical procedures are utilized to compute the 0.9 error. The final result is expressed (symbolically) as $x \pm y$. This means that in a series of determinations on the same sample, the value of x should fall between $x - y$ and $x + y$ ninety percent of the time.

Salinity Observations at Bay and Delta Stations

Table D-6 describes the six stations for which salinity data are listed in Table D-7. Table D-6 includes maximum observed salinity at Bay and Delta stations. Table D-7 presents chloride concentrations in samples collected at six stations between Crockett and Collinsville.

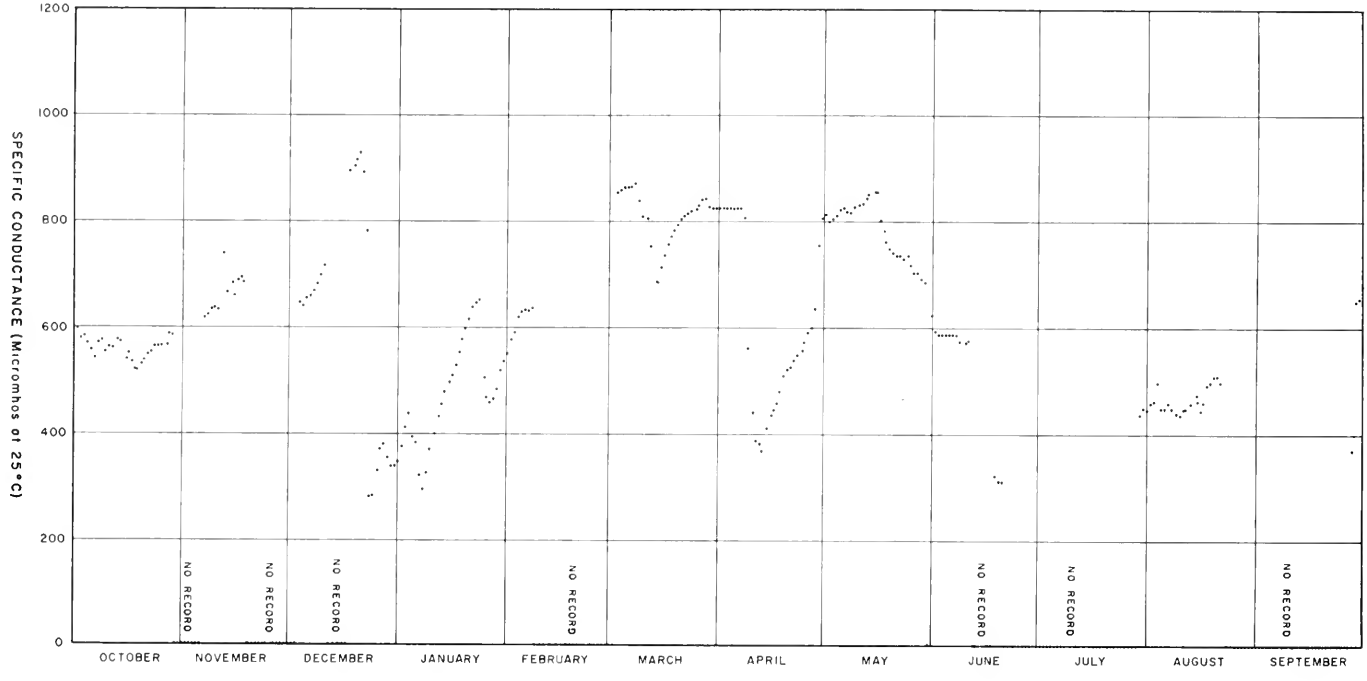
Nutrients

Table D-8 presents analyses of nutrients in surface water. These analyses were made by the Department. The samples were kept on ice and were analyzed for the nitrogen series in the laboratory on the same day collected.

Pesticides

Table D-9 presents analyses of pesticides in surface water and sediment. The samples were analyzed by the Department using a gas chromatograph with an electron capture detector.

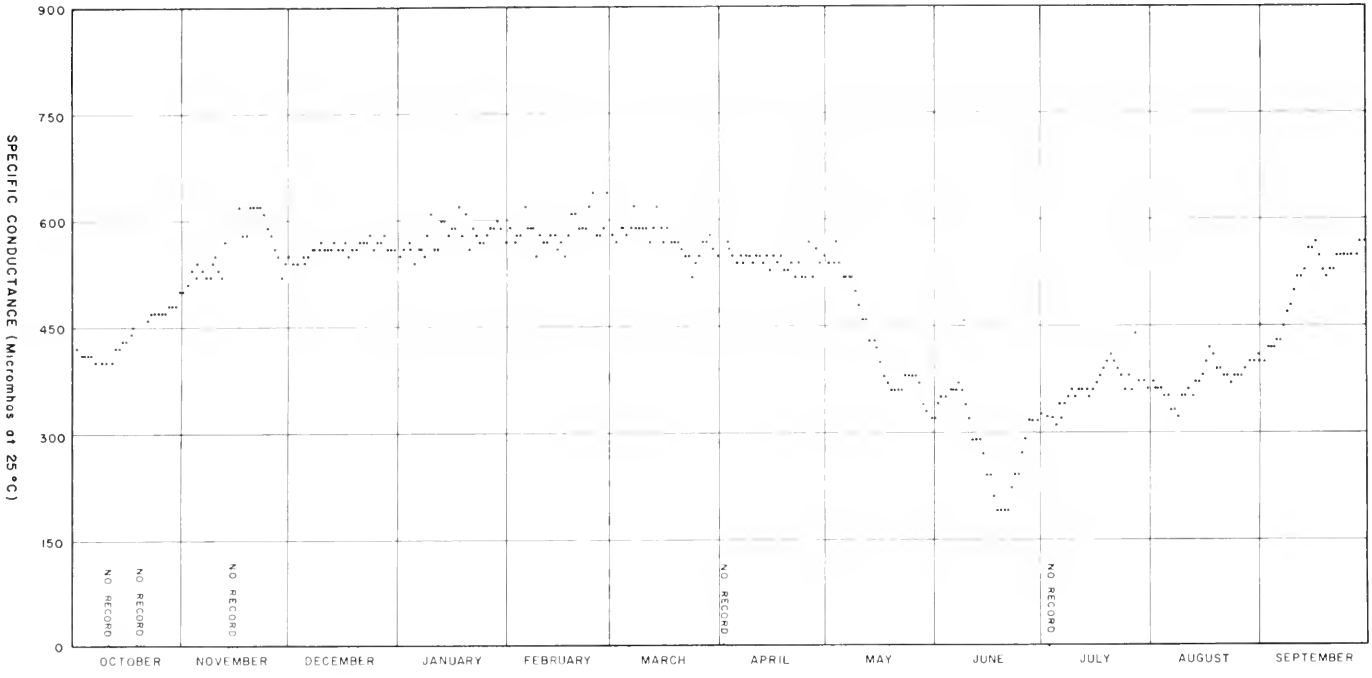
FIGURE D-1



SPECIFIC CONDUCTANCE
DAILY MEAN
ALAMEDA CREEK NEAR NILES (STA 73)
1964-65 WATER YEAR

FIGURE D-2

FIGURE D-2



SPECIFIC CONDUCTANCE
DAILY READINGS AT 1300 HOURS
BETHANY FOREBAY AT
SOUTH BAY PUMPING PLANT (STA 207)
1964-65 WATER YEAR

TABLE D-1
SAMPLING STATION DATA AND INDEX

Station	Station Number	Location[a]	Beginning of Record	Station[c] Type	Region	Analyses on page
ALAMEDA CANAL AT DEL VALLE CHECK	314	3S/2E-22	Aug. 1965	O	2	170
ALAMEDA CREEK NEAR NILES	73	4S/1W-15	Dec. 1951	B	2	145, 172, 173, 179, 183
ALAMEDA CREEK NEAR NILES	307	4S/1W-15	Oct. 1964	O	2	144
ALTAMONT CREEK BELOW ALTAMONT TURNOUT OF SOUTH BAY AQUEDUCT	201	2S/3E-31	June 1962	O	2	147
ARROYO OEL VALLE NEAR LIVERMORE	71	4S/2E-4	July 1958	B	2	146, 172, 173
ASH CREEK	285	12N/11W-36	July 1965	I	1	139
BEAN CREEK ABOVE LOCKHART GULCH CREEK	302	10S/2W-13	Dec. 1964	I	3	150
BEAN CREEK ABOVE MACKENZIE CREEK	303	10S/1W-7	Dec. 1964	I	3	150
BEAN CREEK ONE MILE EAST OF FELTON	204	10S/2W-22	Aug. 1963	I	3	151
BEAN CREEK AT OLD GLENWOOO HIGHWAY	304	9S/1W-32	Dec. 1964	I	3	150
BEAR CREEK FOUR MILES NORTHEAST OF BOULDER CREEK	206	9S/2W-10	Aug. 1963	I	3	150
BETHANY FOREBAY AT SOUTH BAY PUMPING PLANT	207	2S/3E-10	Apr. 1962	O	5	168, 181, 183
BETHANY FOREBAY NEAR BETHANY OAM	310	2S/3E-2	Dec. 1964	O	5	180
BETHANY FOREBAY AT MID-LENGTH	311	2S/3E-2	Nov. 1964	O	5	181
BIC AUSTIN CREEK	268	7N/11W-11	July 1965	I	1	133
BIC RIVER NEAR MOUTH	8c	17N/17W-24	Jan. 1959	B	1	130, 173
BIG SULPHUR CREEK ABOVE GEYSERS POWER PLANT	284	11N/8W-19	July 1965	I	1	138
BIC SULPHUR CREEK NEAR CLOVERDALE	282	11N/10W-4	July 1965	I	1	138
BLANCO ORAIN INTO SALINAS RIVER	246	14S/2E-16	Aug. 1964	I	3	158, 183
CARMEL RIVER AT ROBLES DEL RIO	83	17S/2E-2	Jan. 1952	B	3	167, 174
COLD CREEK	296	16N/11W-18	July 1965	I	1	141
COLLINSVILLE	236	38°04' Lat[b] 121°51' Long	1924	B	2	175
COYOTE CREEK NEAR MADRONE	82	9S/3E-9	Jan. 1952	B	2	148, 172, 173
CROCKETT	237	38°03' Lat[b] 122°13' Long	1946	B	2	175
CUMMISKY CREEK	286	12N/11W-9	July 1965	I	1	139
ORY CREEK NEAR GEYSERVILLE	277	10N/10W-22	July 1965	I	1	136
DRY CREEK NEAR YORKVILLE	279	12N/11W-15	July 1965	I	1	137
OYER CANAL AT DYER-ALTAMONT CHECK	312	2S/3E-20	Aug. 1965	O	2	169
FELIZ CREEK	288	13N/12W-23	July 1965	I	1	139
FORSYTHE CREEK	300	16N/12W-7	July 1965	I	1	143
GREEN VALLEY CREEK	270	7N/9W-6	July 1965	I	1	134
GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS	9a	10N/14W-22	Jan. 1959	B	1	132, 173
INTERIM INTAKE CANAL AT AVIO GATE	308	2S/3E-1	Apr. 1965	O	5	168
INTERIM INTAKE CANAL AT INTERIM PUMPING PLANT	309	2S/3E-2	Feb. 1965	O	5	180
LAGUNA OE SANTA ROSA NEAR GRATON	274	7N/9W-14	July 1965	I	1	135
LITTLE SULPHUR CREEK	283	11N/9W-25	Sept. 1965	I	1	138
LIVERMORE VALLEY CANAL AT PATTERSON RESERVOIR	214	3S/3E-6	Aug. 1962	O	2	169, 182
LOCKHART GULCH CREEK ABOVE BEAN CREEK	301	10S/2W-13	Dec. 1964	I	3	150

a. Locations are referenced to Mt. Diablo Base and Meridian.
b. Locations given in latitude and longitude because the areas have not been surveyed for township, range, and section.
c. B-Basic Data, I-Investigational, O-Operational.

TABLE D-1
SAMPLING STATION DATA AND INDEX

Station	Station Number	Location[a]	Beginning of Record	Station[c] Type	Region	Analyses on page
LOS GATOS CREEK NEAR LOS GATOS	74	8S/1W-29	Dec. 1951	B	2	149, 173
MAACAMA CREEK	281	9N/8W-8	July 1965	I	1	138
MARK WEST CREEK AT TRENTON-HEALDSBURG ROAD	271	8N/9W-34	July 1965	I	1	134
MARK WEST CREEK NEAR FULTON	275	8N/8W-28	July 1965	I	1	136
MARTINEZ	239	38°02' Lat[b] 122°08' Long	1926	B	2	175
MCNAB CREEK	290	14N/12W-26	July 1965	I	1	140
MIDDLE POINT	255	38°03' Lat[b] 121°59' Long	Jan. 1964	B	2	175
MILL CREEK	276	9N/9W-33	July 1965	I	1	136
NACIMIENTO RIVER NEAR SAN MIGUEL	43b	25S/11E-4	July 1958	B	3	165, 174
NAPA RIVER AT DUTTONS LANDING	72a	4N/4W-9	Sept. 1965	B	2	179, 183
NAPA RIVER NEAR ST. HELENA	72	8N/5W-33	Dec. 1951	B	2	144, 172, 173
NAVARRO RIVER NEAR NAVARRO	8b	15N/16W-7	Jan. 1959	B	1	131, 173
NOYO RIVER NEAR FORT BRAGG	10c	18N/17W-10	Jan. 1959	B	1	129, 173
PAJARO RIVER NEAR CHITTENDEN	77	12S/3E-12	Dec. 1951	B	3	153,172, 174, 179, 183
PATTERSON RESERVOIR	313	3S/2E-6	Aug. 1965	O	2	170
PIETA CREEK	287	12N/11W-2	July 1965	I	1	139
PITTSBURG	240	38°02' Lat[b] 121°53' Long	1945	B	2	175
PORT CHICAGO	241	38°04' Lat[b] 122°02' Long	1946	B	2	175
ROBINSON CREEK	291	14N/12W-4	July 1965	I	1	141
RUSSIAN RIVER, EAST FORK, ABOVE LAKE MENDOCINO	295	16N/12W-13	July 1965	I	1	141
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE	10a	17N/11W-6	May 1951	B	1	142, 173
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE	297	17N/11W-6	July 1965	I	1	142
RUSSIAN RIVER, EAST FORK, BELOW LAKE MENDOCINO	294	16N/12W-34	July 1965	I	1	141
RUSSIAN RIVER AT DUNCANS MILLS	267	7N/11W-14	July 1965	I	1	133
RUSSIAN RIVER AT GUERNEVILLE	10	8N/10W-32	Apr. 1951	B	1	133,172, 173, 179, 183
RUSSIAN RIVER AT GUERNEVILLE	269	8N/10W-32	July 1965	I	1	133
RUSSIAN RIVER NEAR HEALDSBURG	9	9N/9W-22	Apr. 1951	B	1	137, 173
RUSSIAN RIVER NEAR HEALDSBURG	280	9N/9W-22	July 1965	I	1	137
RUSSIAN RIVER NEAR HOPLAND	8a	14N/12W-36	Apr. 1951	B	1	139, 173
RUSSIAN RIVER NEAR HOPLAND	289	14N/12W-36	July 1965	I	1	139
RUSSIAN RIVER ABOVE EAST FORK RUSSIAN RIVER	298	16N/12W-33	July 1965	I	1	143
SALINAS RIVER NEAR BRADLEY	43c	23S/10E-15	July 1958	B	3	163, 174
SALINAS RIVER AT PASO ROBLES	43a	26S/12E-28	Apr. 1951	B	3	166, 174
SALINAS RIVER NEAR SPRECKELS	43	15S/3E-18	Apr. 1951	B	3	162,172, 174, 179, 183
SALINAS RIVER, MILE 12.46	305	15S/3E-18	Oct. 1964	I	3	161
SALINAS RIVER, MILE 25.67	306	16S/4E-8	Jan. 1965	I	3	163
SALINAS RIVER, MILE 9.51	259	15S/2E-2	Aug. 1964	I	3	160

a. Locations are referenced to Mt. Diablo Base and Meridian.
b. Locations given in latitude and longitude because the areas have not been surveyed for township, range, and section.
c. B-Basic Data, I-Investigational, O-Operational

TABLE D-I
SAMPLING STATION DATA AND INDEX

Station	Station Number	Location[a]	Beginning of Record	Station Type[c]	Region	Analyses on page
SALINAS RIVER, MILE 7.13	260	14S/2E-33	Aug. 1964	I	3	159
SALINAS RIVER, MILE 4.65	261	14S/2E-16	Aug. 1964	I	3	159
SALINAS RIVER, MILE 3.50	262	14S/2E-16	Aug. 1964	I	3	157, 183
SALINAS RIVER, MILE 1.70	263	14S/2E-7	Aug. 1964	I	3	156
SALINAS RIVER, MILE 0.00	264	14S/1E-1	Aug. 1964	I	3	156
SAN ANTONIO RIVER NEAR PLEYTO	43d	24S/9E-3	July 1958	B	3	164
SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION	77a	15S/7E-28	July 1958	B	3	154, 174
SAN LORENZO RIVER AT BIG TREES NEAR FELTON	75	10S/2W-27	Dec. 1951	B	3	151, 174, 179, 183
SAN LORENZO RIVER AT BOULDER CREEK	227	9S/2W-30	Aug. 1963	I	3	150
SAN LORENZO RIVER SIX MILES NORTH OF BOULDER CREEK	228	8S/3W-25	Aug. 1963	I	3	150
SANTA CLARA PERCOLATION PONDS	315	37°20' Lat[b] 121°51' Long	Aug. 1965	O	2	170
SANTA CRUZ PIER	120	11S/1W-19	July 1965	B	3	179, 183
SANTA ROSA CREEK AT MELITA	273	7N/7W-16	July 1965	I	1	135
SANTA ROSA CREEK AT WILLOWS10E ROAD	272	7N/9W-24	July 1965	I	1	135
SOQUEL CREEK AT SOQUEL	76	11S/1W-10	Dec. 1951	B	3	151, 174
SULPHUR CREEK ABOVE VICHY SPRINGS	293	15N/12W-14	July 1965	I	1	141
SULPHUR CREEK BELOW VICHY SPRINGS	292	15N/12W-16	July 1965	I	1	141
UVAS CREEK NEAR MORGAN HILL	96	10S/3E-17	July 1952	B	3	155, 174
WARM SPRINGS CREEK	278	10N/11W-24	July 1965	I	1	136
YORK CREEK	299	16N/12W-33	July 1965	I	1	143
ZAYANTE CREEK AT ZAYANTE	234	10S/2W-2	Aug. 1963	I	3	150

a. Locations are referenced to Mt. Diablo Base and Meridian
b. Locations given in latitude and longitude because the areas have not been surveyed for township, range, and section.
c B-Basic Data, I-Investigational, O-Operational.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Turbidity a/b	Coliform[a] MPN/ml	Analyzed by[a]
												NORTH COASTAL REGION (NO. 1)														
												NOYO RIVER NEAR FORT BRAGG (STA. 10)																
10-14-64 0730	5.7	57	8.1	78	177	7.3 / 8.2		1.32[c]	12 / 0.52		0 / 0.00	83 / 1.36		2.7 / 0.27			0.2				28	66	0	— / 1	6.2 62.	USGS
11-11-64 0845	88	49	10.1	88	146	7.4 / 7.2		1.02[c]	9.0 / 0.39		0 / 0.00	58 / 0.95		4.5 / 0.27			0.1				28	51	3	240 /	6.2 230.	
12-3-64 1400	584	51	10.5	94	113	7.3 / 7.8		0.80[c]	7.4 / 0.32		0 / 0.00	50 / 0.82		5.2 / 0.15			0.1				29	40	0	— / 9	23. 62.	
1-7-65 0850	1,540	47	11.0	93	75	7.0 / 7.6		0.48[c]	6.0 / 0.26		0 / 0.00	31 / 0.51		4.6 / 0.13			0.0				35	24	0	250 /	62. 230.	
2-5-65 0745	250	52	11.4	103	112	7.2 / 7.7		0.80[c]	7.1 / 0.31		0 / 0.00	50 / 0.82		5.8 / 0.16			0.0				28	40	0	— / 15	130. 230.	
3-10-65 0730	74	49	11.0	96	146	7.2 / 6.9		1.04[c]	8.3 / 0.36		0 / 0.00	52 / 0.85		6.4 / 0.18			0.1				26	52	9	— / 2	6.2 62.	
4-16-65 0750	656	54	12.1	112	123	6.8 / 6.7		0.78[c]	10 / 0.44		0 / 0.00	39 / 0.64		5.5 / 0.16			0.0				36	39	7	230 /	230. 230.	
5-14-65 0715	57	54	10.6	98	144	7.2 / 8.2	14 / 0.70	4.1 / 0.34	9.0 / 0.39	1.2 / 0.03	0 / 0.00	70 / 1.15	6.0 / 0.12	6.6 / 0.19	0.8 / 0.01		0.1	20	As = 0.00 ABS = 0.0 PO_4 = 0.05	96	27	52	0	— / 3	2.3 23.	
6-4-65 0800	32	53	7.3	67	154	7.4 / 8.2		1.12[c]	9.8 / 0.43		0 / 0.00	74 / 1.21		6.7 / 0.19			0.1				28	56	0	— / 1	13. 62.	
7-15-65 1800	13	69	10.6	117	166	7.4 / 8.3		1.20[c]	11 / 0.48		1 / 0.03	76 / 1.25		8.6 / 0.24			0.0				29	60	0	— / 2	0.62 2.3	
9-17-65 0815	3.3	50	10.8	95	181	7.1 / 7.7	16 / 0.80	5.8 / 0.48	12 / 0.52	1.0 / 0.03	0 / 0.00	88 / 1.44	5.0 / 0.10	9.9 / 0.28	0.1 / 0.00		0.0	16	As = 0.00 ABS = 0.0 PO_4 = 0.04	105	28	64	0	— / 1	62. 130.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled P.S.T	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ NCpm	Turbidity a/b	Coliform[c] MPN/ml	Analyzed by[d]
NORTH COASTAL REGION (NO. 1)																										
BIG RIVER NEAR MOUTH (STA. 8c)																										
10-14-64																										
0840	4.2	56	8.0	77	225	7.2 / 7.8		1.74[e]	13 / 0.57		0 / 0.00	124 / 2.03		7.9 / 0.22			0.4				25	87	0	1		USGS
11-11-64																										
0800	150 est.	50	10.1	90	167	7.4 / 8.0		1.30[e]	9.2 / 0.40		0 / 0.00	73 / 1.20		7.2 / 0.20			0.2				24	65	5	140		
12-3-64																										
1500	500 est.	52	10.5	96	135	7.2 / 7.9		1.00[e]	7.8 / 0.34		0 / 0.00	63 / 1.03		5.4 / 0.15			0.1				25	50	0	25		
1-7-65																										
1005	600 est.	48	11.5	99	88	7.2 / 7.6		0.60[e]	6.6 / 0.29		0 / 0.00	39 / 0.64		4.5 / 0.13			0.0				33	30	0	240		
2-4-65																										
1215	150 est.	53	12.1	112	150	7.4 / 7.7		1.14[e]	8.1 / 0.35		0 / 0.00	74 / 1.21		5.6 / 0.16			0.1				23	57	0	7		
3-10-65																										
0840	66	50	10.8	96	182	7.2 / 8.0		1.50[e]	9.5 / 0.41		0 / 0.00	92 / 1.51		6.4 / 0.18			0.2				21	75	0	2		
4-16-65																										
0900	600 est.	52	10.7	98		7.2	Sample Lost																			
5-13-65																			As = 0.00							
1405	125 est.	61	10.0	102	184	7.4 / 8.3	19 / 0.93	6.0 / 0.49	9.7 / 0.42	1.5 / 0.04	1 / 0.03	93 / 1.52	8.0 / 0.17	6.3 / 0.18	0.9 / 0.01		0.2	23	ABS = 0.0 PO_4 = 0.10	119	22	72	0	7		
6-4-65																										
0915	100 est.	60	6.4	65	187	7.0 / 8.4		1.44[e]	10. / 0.44		1 / 0.03	93 / 1.52		13 / 0.37			0.2				23	72	0	10		
7-15-65																										
1700	15 est.	73	10.2	117	206	7.8 / 8.4		1.72[e]	12 / 0.52		3 / 0.10	108 / 1.77		7.8 / 0.22			0.2				23	86	0	2		
9-17-65																			As = 0.00							
0930	4 est.	51	9.2	82	253	7.5 / 7.7	21 / 1.03	8.4 / 0.69	13 / 0.57	1.4 / 0.04	0 / 0.00	122 / 2.00	6.0 / 0.12	8.3 / 0.23	0.2 / 0.00		0.3	16	ABS = 0.0 PO_4 = 0.05	137	24	87	0	1		

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C ppm	Turbidity a/b	Coliform c MPN/ml	Analyzed by d
											equivalents per million															
NORTH COASTAL REGION (NO. 1)																										
NAVARRO RIVER NEAR NAVARRO (STA. 8b)																										
10-14-64 1100	7.1	60	8.3	83	274	7.2/7.5		2.26[e]	13/0.57		0/0.00	148/2.43		8.8/0.25			0.2				20	113	0	—/3	23. 230.	USGS
11-11-64 0945	906	52	10.0	90	181	7.4/7.5		1.40[e]	9.0/0.39		0/0.00	76/1.25		6.9/0.19			0.1				22	70	8	240	130. 620.	
12-3-64 1550		52	10.8	98	183	7.4/8.2		1.40[e]	9.4/0.41		0/0.00	86/1.41		6.4/0.18			0.1				23	70	0	—/25	62. 230.	
1-7-65 1115	584	49	10.9	95	107	7.2/7.5		0.78[e]	7.1/0.31		0/0.00	48/0.79		5.2/0.15			0.2				28	39	0	—/500	23. 62.	
2-5-65 0900	455	51	10.6	95	188	7.4/7.6		1.52[e]	9.2/0.40		0/0.00	92/1.51		6.4/0.18			0.1				21	76	1	—/100	62. 620.	
3-10-65 1040	82	52	10.3	93	242	7.2/7.9		2.06[e]	11/0.48		0/0.00	128/2.10		7.4/0.21			0.1				19	103	0	—/2	23. 23.	
4-16-65 1020		53	11.9	109	119	6.8/6.8		0.96[e]	7.0/0.30		0/0.00	57/0.93		4.3/0.12			0.1				24	48	1	—/600	23. 23.	
5-14-65 0830	160	59	10.2	100	239	7.5/8.3	25/1.25	8.9/0.73	11/0.48	1.5/0.04	1/0.03	124/2.03	11/0.23	7.1/0.20	1.1/0.02		0.2	17	Ae = 0.00 ABS = 0.0 PO_4 = 0.10	148	19	99	0	—/3	2.3 23.	
6-4-65 1030	74	61	6.2	62	252	7.6/8.3		2.18[e]	12/0.52		4/0.13	130/2.13		7.3/0.21			0.2				19	109	0	—/2	6.2 23.	
7-15-65 1600	32	76	10.3	122	266	7.8/8.6		2.24[e]	13/0.57		6/0.20	132/2.16		9.0/0.25			0.1				20	112	0	—/2	2.3 620.	
9-17-65 1020	14	62	10.6	108		7.4	Sample Lost																		0.62 1.3	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

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TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a / b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Turbidity a / b	Coliform[c] MPN/ml	Analyzed by[d]
NORTH COASTAL REGION (NO. 1)																										
GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (STA. 9a)																										
10-14-64 1310	3.4	69	12.5	138	270	8.4 / 8.3		2.28[e]	13 / 0.57		2 / 0.07	146 / 2.39		8.7 / 0.25			0.1				20	114	0	1	23. 130.	USGS
11-11-64 1145	1210	54	9.9	92	164	7.4 / 7.9		1.28[e]	7.6 / 0.33		0 / 0.00	73 / 1.20		6.8 / 0.19			0.0				20	64	4	55	23. 130.	
12-3-64 1700	340	51	10.4	93	202	8.2 / 8.3		1.64[e]	9.8 / 0.43		2 / 0.07	98 / 1.61		6.2 / 0.17			0.1				21	82	0	4	23. 62.	
1-7-65 1330		49	11.0	96	115	7.2 / 7.8		0.88[e]	6.7 / 0.29		0 / 0.00	53 / 0.87		5.4 / 0.15			0.0				25	44	1	750	23. 130.	
2-5-65 1105		54	10.7	99	165	7.6 / 7.7		1.36[e]	7.2 / 0.31		0 / 0.00	77 / 1.26		6.7 / 0.19			0.1				19	68	5	280	62. 130.	
3-10-65 1250	135	53	10.4	95	217	7.4 / 8.0		1.86[e]	9.5 / 0.41		0 / 0.00	117 / 1.84		6.4 / 0.18			0.0				18	93	1	2	2.3 23.	
4-16-65 1300	2510	57	10.2	98	132	7.4 / 7.4		1.10[e]	6.9 / 0.30		0 / 0.00	65 / 1.07		5.2 / 0.15			0.0				21	55	2	160	23. 23.	
5-14-65 1015	113	59	10.2	100	227	7.5 / 8.4	24 / 1.20	8.8 / 0.72	10 / 0.44	1.3 / 0.03	2 / 0.07	115 / 1.88	12 / 0.25	6.7 / 0.19	1.1 / 0.02		0.1	17	As = 0.00 ABS = 0.0 PO_4 = 0.10	138	18	96	0	1	0.62 2.3	
6-4-65 1300	59	64	8.4	88	246	8.0 / 8.2		2.06[e]	11 / 0.48		0 / 0.00	130 / 2.13		6.2 / 0.17			0.1				19	163	0	3	23. 62.	
7-15-65 1400	15	71	9.0	101	251	7.6 / 8.5		2.16[e]	13 / 0.57		2 / 0.07	130 / 2.13		7.6 / 0.21			0.0				21	108	0	1	2.3 23.	
9-17-65 1300	5.8	61	9.2	93	275	7.5 / 8.3	25 / 1.25	13 / 1.03	14 / 0.61	1.2 / 0.03	1 / 0.03	148 / 2.43	10 / 0.21	8.7 / 0.25	0.4 / 0.01		0.0	15	As = 0.00 ABS = 0.0 PO_4 = 0.07	159	21	114	0	1	0.62 62.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a / b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a / b	Coliform MPN/ml	Analyzed by d
							equivalents per million																			
NORTH COASTAL REGION (NO. 1)																										
RUSSIAN RIVER AT DUNCANS MILLS (STA. 267)																										
7-6-65						8.1	32	18	12	1.9	6	169	17	9.5	0.3	0.0	0.4		ABS = 0.0					25		
1240		72	8.9	101	343	8.5	1.60	1.46	0.52	0.05	0.20	2.77	0.35	0.27	0.00	0.00			PO_4 = 0.35 Fe = 1.4	175	14	153	4			DWR
9-29-65						8.2					6	150		8.4	1.1				PO_4 = 0.61					24		
1330		67	10.3	111	290	8.5		2.74[c]			0.20	2.46		0.24	0.02							137	4			
BIG AUSTIN CREEK (STA. 268)																										
7-6-65	1/2					7.7	26	18	8.2	1.1	0	167	7.2	8.1	0.5	0.0	0.0		PO_4 0.07							
1220	est.	68	8.5	93	278	8.3	1.30	1.44	0.36	0.03	0.00	2.74	0.15	0.23	0.01	0.00			Fe 0.07 Color = 0	144	12	137	0	0		DWR
9-29-65	1/2					7.6					6	157		8.3	0.4				PO_4 = 0.07					5		
1300	est.	66	8.3	88	280	8.5		2.84[c]			0.20	2.57		0.23	0.01							142	3			
RUSSIAN RIVER AT GUERNEVILLE (STA. 269)																										
7-6-65						8.1																				Field determinations
1130	212	74	10.2	119	330																			30		
9-29-65						8.1																				
1225	219	70	9.7	108	270																			28		
RUSSIAN RIVER AT GUERNEVILLE (STA. 10)																										
10-14-64						8.4					4	154		7.4			0.4								2.3	USGS
1530	177	69	10.6	117	292	8.4		2.54[c]	0.48		0.13	2.52		0.21						16	127	0	1		23.	
11-11-64						7.4					0	69		6.4			0.2								7,000.	
1330	5,660	53	8.9	81	170	7.4		1.36[c]	0.31		0.00	1.13		0.18						19	68	11	280		7,000.	
12-2-64						7.6					0	105		5.2			0.3								230.	
1515	2,050	56	9.6	91	220	8.2		1.80[c]	0.37		0.00	1.72		0.15						17	90	4	70		230.	
1-7-65						7.2					0	58		3.4			0.2								21.	
1510	39,100	50	10.0	88	121	7.5		1.00[c]	0.26		0.00	0.95		0.10						21	50	2	500		230.	
2-5-65						7.6					0	106		5.9			0.2								620.	
1310	4,030	49	9.9	86	217	7.7		1.80[c]	0.35		0.00	1.74		0.17						16	93	6	20		2,400.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled P.S.T	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a / b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonates (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N C ppm	Turbidity a / b	Coliform[c] MPN/ml	Analyzed by
							equivalents per million																			
NORTH COASTAL REGION (NO. 1)																										
RUSSIAN RIVER AT GUERNEVILLE (STA. 10) (Cont.)																										
3-10-65 1450	816	55	9.2	86	290	7.4 / 8.2		2.66[e]	10 / 0.44		0 / 0.00	155 / 2.54		7.9 / 0.22			0.3				14	133	6	— / 15	23. / 230.	USGS
4-16-65 1530	14,500	56	10.2	97	129	7.4 / 7.1		1.14[e]	5.2 / 0.23		0 / 0.00	64 / 1.05		2.8 / 0.08			0.1		As = 0.00		17	57	5	650 /	62. / 230.	
5-12-65 1210	880	69	10.2	112	269	8.0 / 8.6	26 / 1.30	14 / 1.14	9.4 / 0.41	1.1 / 0.03	4 / 0.13	136 / 2.23	14 / 0.29	5.9 / 0.17	3.5 / 0.06		0.3	15	ABS = 0.0 PO_4 = 0.15	150	14	122	4	— / 20	23. / 23.	
6-4-65 1520	417	65	7.1	75	279	7.8 / 8.5		2.60[e]	9.6 / 0.42		4 / 0.13	144 / 2.36		6.0 / 0.17			0.4				14	130	5	— / 15	2.3 / 23.	
7-14-65 1030	198	75	11.0	129	314	8.2 / 8.5		2.92[e]	12 / 0.52		6 / 0.20	160 / 2.62		7.6 / 0.21			0.3				15	146	5	— / 17	230. / 230.	
9-15-65 0830	275	68	10.8	118	270	8.0 / 7.9	32 / 1.60	11 / 0.94	10 / 0.44	1.2 / 0.03	0 / 0.00	154 / 2.52	13 / 0.27	6.6 / 0.19	2.0 / 0.03		0.3	13	As = 0.00 ABS = 0.0 PO_4 = 0.52	160	15	127	1	— / 10	5. / 13.	
GREEN VALLEY CREEK (STA. 270)																										
7-6-65 1040	<2 est.	61	4.5	46	290	6.9 / 8.1	20 / 1.00	13 / 1.10	15 / 0.65	2.9 / 0.07	0 / 0.00	131 / 2.15	12 / 0.25	15 / 0.42	0.7 / 0.01	0.1 / 0.00	0.1		PO_4 = 0.41 Fe = 1.5 Color = 20	156	23	105	0	— / 12		DWR
9-29-65 1150	Ponded	64	2.8	29	355	7.3 / 8.4		2.84[e]			5 / 0.17	162 / 2.66		14 / 0.39	1.5 / 0.02				PO_4 = 1.3			142	1	— / 80		
MARK WEST CREEK AT TRENTON-HEALDSBURG ROAD (STA. 271)																										
7-6-65 1020	3 est.	70	4.4	49	740	7.7 / 8.3	41 / 2.04	27 / 2.26	75 / 3.26	8.4 / 0.21	0 / 0.00	294 / 4.82	30 / 0.62	63 / 1.78	12 / 0.19	0.6 / 0.03	0.6		ABS = 1.2 PO_4 = 12 Fe = 1.6 Color = 25	417	42	215	0	— / 30		DWR
7-6-65 1600		78	5.5	66	600																					Field determinations
7-9-65 0415		68	4.1	45	790	7.6																				Field determinations

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a / b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Turbidity a / b	Coliform[c] MPN/ml	Analyzed by[d]
							equivalents per million																			
							NORTH COASTAL REGION (NO. 1)																			
							MARK WEST CREEK AT TRENTON-HEALDSBURG ROAD (STA. 271) (Cont.)																			
9-30-65 0330		60	7.8	78	960	7.8																				Field determinations
9-30-65 1150		70	14.8	166	910[a]	8.9 / 8.3		4.32[e]			0 / 0.00	244 / 4.00		104 / 2.93	56 / 0.90				PO_4 = 26; Fe = 5.6			216	16	170		DWR
							SANTA ROSA CREEK AT WILLOWSIDE ROAD (STA. 272)																			
7-6-65 0925	4 est.	69	8.0	88	852	8.0 / 7.1	33 / 1.65	32 / 2.65	77 / 3.35	9.5 / 0.24	0 / 0.00	328 / 5.38	28 / 0.58	71 / 2.00	2.9 / 0.05		0.5		ABS = 1.8; PO_4 = 17; Fe = 6.8; Color = 65	465	42	215	0	110		DWR
7-9-65 0335	5 est.	70	2.4	26	850	7.5																				Field determinations
9-30-65 0245	10 est.	62	2.2	22	1,130	7.5																				Field determinations
9-30-65 1120	8 est.	70	5.8	65	1,000[a]	7.6 / 8.2		4.24[e]			0 / 0.00	230 / 3.77		105 / 2.96	64 / 1.03		0.6		PO_4 = 30; Fe = 1.1			212	23	60		DWR
							SANTA ROSA CREEK AT MELITA (STA. 273)																			
7-9-65 0935	1 1/2 est.	63	9.7	100	439	8.2 / 8.6	37 / 1.85	26 / 2.11	17 / 0.74	2.7 / 0.07	15 / 0.50	225 / 3.69	11 / 0.23	7.8 / 0.22	0.0 / 0.00	0.2 / 0.01	0.3		PO_4 = 0.20; Fe = 0.41; Color = 5	264	16	198	0	<5		DWR
9-30-65 1015	1 1/2 est.	65	8.8	93	400[a]	7.9 / 8.6		3.12[e]			12 / 0.40	207 / 3.39		11 / 0.31	0.3 / 0.00				PO_4 = 0.30			156	0	<5		
							LAGUNA DE SANTA ROSA NEAR GRATON (STA. 274)																			
7-6-65 0950	Ponded	64	4.6	48	237	7.3 / 7.6	30 / 1.50	0.7 / 0.06	19 / 0.83	5.4 / 0.14	0 / 0.00	112 / 1.84	4.3 / 0.09	11 / 0.31	6.0 / 0.10	0.2 / 0.01	0.1		ABS = 0.0; PO_4 = 6.5; Fe = 4.1; Color = 40	150	33	78	0	90		DWR
7-6-65 1625	Ponded	72	12.7	145	225																					Field determinations

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen		Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Turbidity	Coliform[c] MPN/ml	Analyzed by[d]
			ppm	%Sat		a / b	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents			Total ppm	N C ppm	a / b		
												NORTH COASTAL REGION (NO. 1)													
												LAGUNA DE SANTA ROSA NEAR GRATON (STA. 274) (Cont.)													
7-9-65 0355	<1/4 est.	62	5.4	55	330	7.5																			Field determinations
9-30-65 0305	Ponded	57	3.9	38	220	7.1																			Field determinations
												MARK WEST CREEK NEAR FULTON (STA. 275)													
7-7-65 0710	3 est.	65	6.0	63	331	7.3 / 8.3	31 / 1.55	16 / 1.31	16 / 0.70	3.9 / 0.10	0 / 0.00	185 / 3.03	9.2 / 0.19	13 / 0.37	1.3 / 0.02	0.1 / 0.00	0.3		PO_4 = 0.13 Fe^4 = 0.12 Color = 5	182	19	143	0	<10		DWR
9-30-65 0940	1 est.	64	7.1	74	400[a]	7.5 / 8.6		3.20[e]			12 / 0.40	193 / 3.16		16 / 0.45	1.1 / 0.02				PO_4 = 0.15			160	0	<5		
												MILL CREEK (STA. 276)													
7-6-65 1350	2 est.	72	9.8	112	190	7.5 / 8.3	17 / 0.85	9.4 / 0.77	9.8 / 0.43	1.1 / 0.03	0 / 0.00	100 / 1.64	8.6 / 0.18	6.8 / 0.19	1.0 / 0.02	0.1 / 0.00	0.0		PO_4 = 0.10 Fe^4 = 0.02 Color = 0	112	21	81	0	8		DWR
												DRY CREEK NEAR GEYSERVILLE (STA. 277)													
7-6-65 1425	12	77	11.1	133	272	8.0 / 8.5	28 / 1.40	13 / 1.06	12 / 0.52	1.2 / 0.03	5 / 0.17	143 / 2.34	16 / 0.33	6.6 / 0.19	1.4 / 0.02	0.1 / 0.00	0.3		PO_4 = 0.07 Fe^4 = 1.6 Color = 0	161	17	123	0	45		DWR
9-29-65 0900	1.2	61	9.0	91	280	7.5 / 8.4		2.50[e]			4 / 0.13	141 / 2.31		5.0 / 0.14	0.5 / 0.01				PO_4 = 0.07 Fe^4 = 0.45			125	3	<5		
												WARM SPRINGS CREEK (STA. 278)													
7-6-65 1500	4 est.	83	11.4	145	281	8.8 / 8.7	24 / 1.20	11 / 0.88	25 / 1.09	1.8 / 0.05	10 / 0.33	142 / 2.33	13 / 0.27	7.4 / 0.21	0.4 / 0.01	0.2 / 0.01	1.5		PO_4 = 0.07 Fe^4 = 0.08 Color = 0	164	34	104	0	<5		DWR
9-29-65 0830	2 est.	64	9.9	103	490[a]	8.0 / 8.6		2.40[e]			20 / 0.67	246 / 4.03		8.9 / 0.24	0.5 / 0.01				PO_4 = 0.15			120	0	<5		

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

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ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/	pH b/	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/	Turbidity b/	Coliform c/ MPN/ml	Analyzed by d/
NORTH COASTAL REGION (RO. 1)																												
DRY CREEK NEAR HEALDSBURG (STA. 279)																												
7-7-65 1450	1/2 est.	72	8.4	101	200		7.3																			<5		Field determinations
9-28-65 1115	1/4 est.	71	8.0	90	250		7.1 8.5		2.28 e/			0 0.13	131 2.14		2.0 0.20	1.4 0.02				PO_4 = 0.05			114	0	<5			DWR
RUSSIAN RIVER NEAR HEALDSBURG (STA. 280)																												
7-7-65 1510	110	1	9.8	115	245		8.0																			9		Field determinations
9-29-65 1030	240	65	8.8	93	240		7.8																			19		
RUSSIAN RIVER NEAR HEALDSBURG (STA. 9)																												
10-10-64 0910	172	63	9.2	95	232		7.9 8.2		2.34 e/	9.2 0.40		0 0.00	148 2.43		4.9 0.14			0.5				15	117	0	1		13. 23.	DWR
11-10-64 0930	5,420	52	9.8	89	152		7.4 7.2		1.28 e/	5.5 0.24		0 0.00	67 1.10		4.5 0.13			0.2				16	64	9	4000		2,100. 7,000.	
12-2-64 1415	1,430	55	9.6	90	149		7.4 7.7		1.54 e/	6.7 0.29		0 0.00	88 1.44		3.5 0.10			0.2				16	77	5	50		230. 620.	
1-6-65 1135	29,200	54	10.4	97	112		7.6 7.3		0.96 e/	4.4 0.19		0 0.00	57 0.93		1.9 0.05			0.2				17	48	1	1500		920. 1,300.	
2-3-65 1125	2,790	45	13.3	110	186		8.0 8.1		1.68 e/	6.1 0.27		0 0.00	97 1.59		3.0 0.08			0.2				14	84	4	300		23.	
3-12-65 1115	548	58	9.9	93	278		7.8 8.2		2.10 e/	8.0 0.35		0 0.00	151 2.47		5.2 0.15			0.3				12	130	6	20		13. 23.	
4-14-65 1230	1,880	54	10.9	101	222		7.8 7.4		2.02 e/	7.8 0.34		0 0.00	118 1.93		3.9 0.11			0.1				14	101	4	80		62 62	
5-12-65 1030	99	50	10.2	108	232		8.1 8.2	28 1.40	11 0.92	7.4 0.32	1.4 0.03	0 0.00	137 2.25	14 0.29	4.2 0.12	2.4 0.04		0.3	14	NO_3 = 0.1 PO_4 = 0.05	153	12	116	4	30		23. 23.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonates (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/b	Coliform MPN/ml	Analyzed by
														equivalents per million												
NORTH COASTAL REGION (NO. 1)																										
RUSSIAN RIVER NEAR HEALDSBURG (STA. 9) (CONT.)																										
6-2-65 1300	375	65	8.5	90	256	8.0 / 8.5		2.42[e]	8.1 / 0.35		4 / 0.13	134 / 2.20		3.9 / 0.11			0.4				13	121	5	15	6.2 62.	USGS
7-13-65 1230	140	76	9.6	113	282	8.2 / 8.3		2.68[e]	9.6 / 0.42		0 / 0.00	158 / 2.59		5.4 / 0.15			0.3				14	134	4	4	23. 62.	
9-14-65 1505	199	78	8.0	96	251	8.4 / 8.0	26 / 1.30	12 / 1.02	8.3 / 0.36	1.3 / 0.03	0 / 0.00	140 / 2.29	10 / 0.21	4.0 / 0.11	0.8 / 0.01		0.2	13	As = 0.00 ABS = 0.0 PO_4 = 0.05	148	13	116	1	2	23.	
MAACAMA CREEK (STA. 281)																			PO_4 = 0.04							
7-7-65 0800	6.1	65	8.5	90	252	8.1 / 8.3	19 / 0.95	19 / 1.59	6.8 / 0.30	1.3 / 0.03	0 / 0.00	158 / 2.59	7.7 / 0.16	4.8 / 0.14	0.4 / 0.01	0.1 / 0.00	0.0		Fe^{+} = 0.04 Color = 0	150	10	127	0	≤5		DWR
9-29-65 0950	1.5	60	9.0	89	285[a]	7.8 / 8.5		2.80[e]			6 / 0.20	158 / 2.59		4.0 / 0.11	0.4 / 0.01				PO_4 = 0.21			140	1	≤5		
BIG SULPHUR CREEK NEAR CLOVERDALE (STA. 282)																			PO_4 = 0.02							
7-7-65 0905	16	68	10.2	111	419	8.6 / 8.6	41 / 2.04	22 / 1.80	11 / 0.48	1.5 / 0.04	10 / 0.33	164 / 2.69	54 / 1.12	3.9 / 0.11	8.3 / 0.13	0.1 / 0.00	1.4		Fe^{+} = 0.10 Color = 0	234	11	192	40	≤5		DWR
9-28-65 1245	6.4	72	10.4	118	490[a]	8.6 / 8.5		4.88[e]			9 / 0.30	158 / 2.59		4.2 / 0.12	20 / 0.32				PO_4 = 0.06			244	100	≤5		
LITTLE SULPHUR CREEK (STA. 283)																										
9-28-65 1425	2-3 est.	61	9.1	92	260[a]	7.9 / 8.5		2.56[e]			4 / 0.13	146 / 2.39		1.7 / 0.05	0.3 / 0.00				PO_4 = 0.03			128	2	≤5		
BIG SULPHUR CREEK ABOVE GEYSERS POWER PLANT (STA. 284)																										
9-28-65 1355		70	9.6	107	490																					Field determinations

a Field determination.

b Laboratory analyais.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

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ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a / b	Mineral constituents in parts per million — Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a / b	Coliform c MPN/ml	Analyzed by d
													equivalents per million													
NORTH COASTAL REGION (NO. 1)																										
ASH CREEK (STA. 285)																										
7-7-65 0935	2 est.	60	9.4	100	379	8.4 / 8.0	43 / 2.14	16 / 1.30	13 / 0.56	1.4 / 0.04	11 / 0.37	188 / 3.08	18 / 0.37	5.6 / 0.16	0.3 / 0.00	0.1 / 0.00	0.4		PO_4 = 0.04 Fe = 0.23 Color = 0	194	14	172	0	≤5		DWR
9-28-65 1530	1 1/2 est.	68	8.9	96	380[1]	8.4 / 8.4		3.04[e]			4 / 0.13	179 / 2.93		5.6 / 0.16	0.5 / 0.01				PO_4 0.03			152	0	≤5		
CUMMISKEY CREEK (STA. 286)																										
7-7-65 1320	1 est.	64	9.1	102	361	8.3 / 8.0	33 / 1.65	19 / 1.53	14 / 0.61	— / 0.03	4 / 0.20	166 / 2.72	32 / 0.67	5.8 / 0.19	0.7 / 0.01	0.0 / 0.00	0.2		PO_4 = 0.06 Fe = 0.06 Color = 0	203	16	159	12	≤5		DWR
9-28-65 1045	1 est.	70	7.9	88	435[1]	7.8 / 8.2		3.86[e]			10 / 0.33	199 / 3.26		7.9 / 0.22	0.9 / 0.01				PO_4 = 0.10			193	13	≤5		
PIETA CREEK (STA. 287)																										
7-7-65 0955	2 est.	70	9.2	103	378	8.4 / 8.5	42 / 2.10	19 / 1.34	12 / 0.52	1.9 / 0.05	8 / 0.27	198 / 3.24	17 / 0.35	5.5 / 0.16	0.5 / 0.01	0.1 / 0.00	0.1		PO_4 = 0.04 Fe = 0.08 Color = 0	186	13	172	0	≤5		DWR
9-29-65 0730	1 1/2 est.	52	9.5	86	440[1]	8.5 / 8.4		3.58[e]			5 / 0.17	209 / 3.42		5.7 / 0.16	0.2 / 0.00				PO_4 = 0.04			179	0	≤5		
FELIZ CREEK (STA. 288)																										
7-7-65 1030	Pond 1	71	9.3	105	423	8.0 / 8.2	37 / 1.85	25 / 2.07	10 / 0.44	1.7 / 0.04	0 / 0.00	233 / 3.82	22 / 0.46	7.7 / 0.22	0.7 / 0.01	0.1 / 0.00	0.2		PO_4 0.10 Fe^4 = 3.6	221	10	196	5	32		DWR
RUSSIAN RIVER NEAR HOPLAND (STA. 289)																										
7-7-65 1015	16	67	9.8	106	200	7.2																		32		Field determinations
9-28-65 0955	55	62	9.0	94	200	7.2																		≤5		
RUSSIAN RIVER NEAR HOPLAND (STA. 84)																										
10-19-64 0745	133	61	9.1	99	212	7.2 / 7.8		1.84[e]	8.4 / 0.37		0 / 0.00	118 / 1.93		4.2 / 0.12			0.4				17	92	0	2	62 / 620	USGS

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Per cent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Turbidity	Coliform[c] MPN/ml	Analyzed by[d]
							equivalents per million																			
NORTH COASTAL REGION (NO. 1)																										
RUSSIAN RIVER NEAR HOPLAND (STA. 80) (cont.)																										
11-10-64																										
0810	2,520	51	9.0	82	141	7.0		1.14[e]	0.28		0.00	0.98		0.12			0.4				20	57	8	600	2,400.	USGS
12-2-64																										
1230	1,280	55	9.5	91	137	7.9		1.12[e]	0.27		0.00	1.08		0.08			0.2				19	56	2	75	620.	
1-6-65																										
1015	6,800	49	10.2	90	105	7.5		0.84[e]	0.30		0.00	0.85		0.07			0.1				20	42	0	800	62.	
2-3-65																										
1000	1,740	43	11.4	91	155	7.6		1.38[e]	0.24		0.00	1.29		0.08			0.1				15	69	4	200	130.	
3-12-65																										
0935	862	53	9.6	89	206	7.8		1.85[e]	0.33		0.00	1.80		0.11			0.3				15	91	1	60	620.	
4-16-65																										
1050	570	51	10.1	92	184	7.6		1.60[e]	0.31		0.00	1.55		0.11			0.2				16	80	3	80	230.	
5-12-65																			As 0.00							
0905	693	57	10.0	98	188	8.2	19	8.6	4.6	1.1	2	94	9.0	5.7	2.2		0.2	12	ABS 0.1							
							0.95	0.69	0.20	0.03	0.07	1.52	0.19	0.10	0.06				PO_4 0.15	125	15	82	2	40	130.	
6-2-65																									0.2	
1130	314	65	7.8	84	189	8.1		1.72[e]	0.31		0.00	1.66		0.10			0.3				15	86	1	35	23.	
7-13-65																										
1110	222	65	10.5	113	185	8.4		1.62[e]	0.30		0.07	1.51		0.10			0.2				16	81	2	28	230.	
8-14-65																			As - 0.00							
0905	241	62	10.3	107	191	7.7	20	8.3	4.4	1.1	0	100	10	5.8	0.8		0.1		ABS - 0.0							
							1.00	0.68	0.34	0.03	0.00	1.64	0.21	0.08	0.01				PO_4 - 0.05	111	15	84	2	2	62.	
MCNAB CREEK (STA. 290)																										
																			PO_4 0.08							
7-7-65	1/2					7.6	22	17	11	0.9	0	148	17	9.1	5.5	0.1	0.4		Fe - 0.10					.5		DWR
1120	est.	70	8.6	95	301	8.3	1.10	1.42	0.48	0.02	0.00	2.26	0.35	0.37	0.09	0.00			Color 0	148	16	126	13			
9-28-65	1/4-1/2					7.3																				
0955	est.	59	9.0	89	255[f]	8.3		2.20[e]			0	123		6.9	3.7				PO_4 - 0.08					.5		
											0.00	2.02		0.19	0.06							110	9			

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity	Coliform[c] MPN/ml	Analyzed by[d]
							equivalents per million																			
							NORTH COASTAL REGION (NO. 1)																			
							ROBINSON CREEK (STA. 291)																			
7-7-65						8.3	30	12	8.5	1.3	0	149	10	5.8	0.5	0.1	0.2		PO_4 = 0.09					≤5		DWR
1150	1/2 est.	86	9.3	121	256	8.3	1.50	0.98	0.37	0.03	0.00	2.44	0.21	0.16	0.01	0.00			Fe = 0.27 Color = 0	136	13	124	2			
							SULPHUR CREEK BELOW VICHY SPRINGS (STA. 292)																			
7-8-65						8.8	10	16	228	10	70	474	14	51	1.1	0.4	24		PO_4 = 0.11					8		DWR
1315	3/4 est.	90	9.1	123	1090	8.7	0.50	1.32	9.92	0.26	2.33	7.77	0.29	1.44	0.02	0.02			Fe = 5.3	769	83	91	0			
9-28-65						8.5					99	741		107	0.9		49		PO_4 = 0.13							
0830	1 est.	56	9.5	90	1730[a]	8.7		2.86[e]			3.30	12.14		3.02	0.01				Fe = 0.31			143	0			
							SULPHUR CREEK ABOVE VICHY SPRINGS (STA. 293)																			
7-8-65						7.9	50	13	42	3.7	2	289	22	10	0.0	0.3	3.0		PO_4 = 0.35							DWR
1345	1/2 est.	88	7.3	97	523	8.4	2.50	1.08	1.83	0.09	0.07	4.74	0.46	0.28	0.00	0.02			Fe = 6.7	304	32	179	0			
9-28-65						7.9					9	248		16	0.3		5.6		PO_4 = 0.10					≤5		
0855	3/4 est.	62	10.0	102	710[a]	8.5		2.52[e]			0.30	4.06		0.45	0.00				Fe = 0.02			126	0			
							RUSSIAN RIVER, EAST FORK, BELOW LAKE MENDOCINO (STA. 294)																			
7-8-65						7.3	18	6.8	5.0	1.2	0	87	7.1	2.3	1.0	0.1	0.2		PO_4 = 0.16					50		DWR
1140	177	60	10.8	108	164	8.2	0.90	0.56	0.22	0.02	0.00	1.43	0.15	0.06	0.02	0.00			Fe = 3.5 Color = 30	115	13	73	2			
9-27-65						7.3					0	97		2.9	1.6				PO_4 = 0.07					≤5		
1400	258	65	8.5	90	175[a]	8.2		1.64[e]			0.00	1.59		0.08	0.02				Fe = 0.21			82	2			
							RUSSIAN RIVER, EAST FORK, ABOVE LAKE MENDOCINO (STA. 295)																			
7-8-65						7.8	20	6.6	4.8	0.8	0	91	6.6	2.0	0.6	0.2	0.2		PO_4 = 0.11					20		DWR
1040	188	70	9.3	104	167	8.2	1.00	0.54	0.21	0.02	0.00	1.49	0.14	0.06	0.01	0.01			Fe = 2.0 Color = 5	109	12	77	2			
9-27-65						8.0					0	110		3.2	0.4				PO_4 = 0.06					≤5		DWR
1320	290	64	9.2	97	210[a]	8.2		1.88[e]			0.00	1.80		0.09	0.01				Fe = 0.58			94	4			
							COLD CREEK (STA. 296)																			
7-8-65						7.8													PO_4 = 0.02							
0900	5 est.	62	9.9	101	327	8.5	36	15	8.0	1.0	6	170	9.7	4.1	0.5	0.1	0.0		Fe = 0.29 Color = 0	186	10	152	3	≤5		DWR
9-27-65						8.3	1.80	1.24	0.35	0.02	0.20	2.79	0.20	0.12	0.01	0.00			PO_4 = 0.03					≤5		
1305	4 est.	59	10.5	104	315[a]	8.5		3.06[e]			0.20	2.77		0.13	0.0.				Fe = 0.12			153	5			

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/ b/	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/ b/	Coliform c/ MPN/ml	Analyzed by d/
							equivalents per million																			
NORTH COASTAL REGION (NO. 1)																										
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWER HOUSE (STA. 206)																										
7-8-65 0900	235	66	8.8	94	145	7.8																		14		Field determinations
9-2-65 1230	32	66	8.0	86	203	7.8																		55		
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWER HOUSE (STA. 106)																										
10-15-64 1445	247	65	9.3	102	190	8.0 / 8.0		1.78 e	6.8 / 0.30		0 / 0.00	103 / 1.69		3.7 / 0.10			0.2			14	89	5	1	23. 230.	USGS
11-10-64 0640	202	52	7.6	71	194	7.6 / 8.2		1.64 e	7.7 / 0.33		0 / 0.00	98 / 1.61		5.2 / 0.15			0.2			17	82	2	70	62. 230.	
12-2-64 1100	229	52	11.4	107	153	7.4 / 8.1		1.28 e	6.4 / 0.28		0 / 0.00	75 / 1.25		3.3 / 0.09			0.5			18	64	2	50	23. 230.	
1-6-65 0845	310	44	11.8	99	87	6.8 / 7.7		0.79 e	3.4 / 0.15		0 / 0.00	46 / 0.75		1.0 / 0.03			0.1			16	40	2	700	23. 23.	
2-3-65 0825	320	41	11.8	95	118	7.4 / 7.9		1.04 e	5.4 / 0.16		0 / 0.00	63 / 1.03		1.2 / 0.03			0.1			13	52	0	230	23. 23.	
3-12-65 0820		50	9.9	90	157	7.4 / 7.7		1.40 e	5.1 / 0.22		0 / 0.00	85 / 1.39		2.2 / 0.06			0.2			13	73	3	400	2.3 23.	
4-14-65 0850	310 est.	51	12.2	112	151	7.0 / 7.5		1.36 e	5.1 / 0.22		0 / 0.00	79 / 1.29		2.2 / 0.06			0.2			14	68	3	70	62. 230.	
5-12-65 0750	310	55	10.1	98	143	7.6 / 8.2	19 / 0.95	4.0 / 0.33	4.4 / 0.19	0.8 / 0.02	0 / 0.00	76 / 1.25	7.0 / 0.15	1.8 / 0.05	1.1 / 0.02		0.1	12	As 0.00 ABS 0.0 PO_4 0.10	96	13	64	2	60	23. 62.	
6-2-65 0930	224	64	10.5	113	153	7.8 / 8.2		1.36 e	5.1 / 0.22		0 / 0.00	81 / 1.33		1.4 / 0.04			0.3			14	68	2	40	2.3 23.	
7-13-65 0930	150 est.	63	10.0	107	156	7.6 / 7.8		1.42 e	4.9 / 0.21		0 / 0.00	84 / 1.38		1.9 / 0.05			0.1			13	71	2	38	6.2 6.2	
9-14-65 0815		58	10.2	103	194	7.4 / 8.0	25 / 1.25	6.2 / 0.51	6.9 / 0.30	1.4 / 0.03	0 / 0.00	106 / 1.74	9.0 / 0.19	2.7 / 0.08	0.5 / 0.01		0.2	10	As 0.00 ABS 0.0 PO_4 0.03	116	14	88	1	2	5. 23.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a / b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Turbidity a / b	Coliform[c] MPN/ml	Analyzed by[d]
							equivalents per million																			
NORTH COASTAL REGION (NO. 1)																										
RUSSIAN RIVER ABOVE EAST FORK RUSSIAN RIVER (STA. 298)																										
7-8-65						8.4	26	12	11	1.4	4	136	10	7.3	0.4	0.2	0.0		PO_4 = 0.03; Fe^{+3} = 1.4					≤5		DWR
1210	2.7	85	10.5	136	264	8.4	1.30	1.02	0.48	0.04	0.13	2.23	0.21	0.20	0.01	0.01			Color = 0	154	17	116	0			
9-27-65						8.4					0	138		13	0.3				PO_4 = 0.03					≤5		
1435	0.5	66	9.7	104	310[d]	8.3		2.94[e]			0.00	2.26		0.37	0.00				Fe^{+3} = 0.07			132	19			
YORK CREEK (STA. 299)																										
7-8-65						7.0	20	12	8.7	1.4	0	122	7.7	7.6	1.1	0.2	0.0		PO_4 = 0.01; Fe^{+3} = 0.45					≤5		DWR
1245	1/2 est.	76	8.5	100	230	8.3	1.00	0.99	0.38	0.04	0.00	2.00	0.16	0.21	0.02	0.01			Color = 0	141	16	101	1			
9-27-65						6.9					4	128		1.0	0.6				PO_4 = 0.02					≤5		
1500	1/4 est.	64	7.5	78	250[d]	8.5		2.26[e]			0.13	2.10		0.20	0.01							113	1			
FORSYTHE CREEK (STA. 300)																										
7-8-65						7.3	39	9.6	9.2	1.7	0	164	8.7	5.7	0.4	0.0	0.2		PO_4 = 0.01; Fe^{+3} = 0.08					≤5		DWR
0830	1 est.	70	8.3	93	298	8.2	1.95	0.79	0.40	0.04	0.00	2.69	0.18	0.16	0.01	0.00			Color = 0	154	12	137	3			
9-27-65						7.2					5	163		6.8	0.3				PO_4 = 0.02					≤5		
1140	1/2 est.	64	6.2	65	300[d]	8.4		2.82[e]			0.17	2.67		0.19	0.00							141	0			

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Turbidity a/b	Coliform c MPN/ml	Analyzed by d
											SAN FRANCISCO BAY REGION (NO. 2)																
											NAPA RIVER NEAR ST. HELENA (STA. 72)																
10-16-64						6.8			18		5	197		12			0.4								6.2	USGS
1115	0.3	59	1.1	11	381	8.3		3.24[e]	0.78		0.17	3.23		0.34							19	162	0	1	13.	
11-10-64						7.2			11		0	48		8.6			0.3								1,300.	
1115	425	53	9.1	84	158	7.6		0.96[e]	0.48		0.00	0.79		0.24							33	48	9	120	7,000.	
12-2-64						7.2	17	7.2	26	3.3	0	96	19	20	4.3	0.7	0.7	36							62.	
1640	25	57	8.3	81	269	8.2	0.85	0.59	1.13	0.08	0.00	1.54	0.40	0.56	0.07	0.04				180	43	72	0	1	230.	
1-5-65						7.2	8.4	3.0	6.5	2.4	0	39	7.0	3.6	2.5	0.2	0.2	29							62.	
1315	5,610	56	10.2	98	100	7.3	0.42	0.25	0.28	0.06	0.00	0.64	0.15	0.10	0.04	0.01				105	28	34	2	200	230.	
2-3-65						7.2			12		0	81		8.5			0.2								62.	
1300	85	55	9.7	92	208	8.1		1.46[e]	0.52		0.00	1.33		0.24							26	73	7	3	2,100.	
3-12-65						7.2	23	9.4	16	2.1	2	106	15	14	9.8		0.6	36							62.	
1225	25	58	9.3	92	271	8.4	1.15	0.77	0.70	0.05	0.07	1.74	0.31	0.39	0.16					180	26	96	6	5	230.	
4-14-65						7.2			14		0	90		9.1			0.3								62.	
1405	79	51	10.4	94	209	7.9		1.44[e]	0.61		0.00	1.48		0.26							30	72	0	10	2,400.	
																			As = 0.00							
5-12-65						7.2	20	8.3	15	2.4	0	102	15	13	6.0		0.4	36	ABS = 0.0						23.	
1600	29	75	9.6	114	241	8.2	1.00	0.68	0.65	0.06	0.00	1.67	0.31	0.37	0.10				PO_4 = 0.45	163	27	84	0	2	62.	
6-2-65						7.4			19		12	96		17			0.5								62.	
1530	12	74	8.5	100	281	8.7		1.94[e]	0.83		0.40	1.54		0.48							30	97	0	3	620.	
7-13-65						7.4			20		0	163		15			0.3								62.	
1415	1.8	78	15.0	184	360	7.6		2.88[e]	0.87		0.00	2.67		0.42							23	144	10	4	620.	
8-6-65						7.2			19		1	174		14			0.1								13.	
1030	2.2	72	9.8	113	358	8.3		2.92[e]	0.83		0.03	2.85		0.39							22	146	2	1	620.	
																			As = 0.00							
9-14-65						7.0	34	18	20	2.9	0	191	21	14	6.8		0.3	30	ABS = 0.0						130.	
1730	0.8	70	8.6	97	384	7.5	1.70	1.44	0.87	0.07	0.00	3.13	0.44	0.39	0.11				PO_4 = 0.20	235	21	157	0	2	230.	
											ALAMEDA CREEK NEAR NILES (STA. 307)															
10-15-64									48		0	127		63			0.3					129				DWR
1405					513	8.1		2.58[e]	2.09		0.00	2.08		1.78												

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

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e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO₃)	Bicarbonate (HCO₃)	Sulfate (SO₄)	Chloride (Cl)	Nitrate (NO₃)	Fluoride (F)	Boron (B)	Silica (SiO₂)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as CaCO₃ Total ppm	Hardness as CaCO₃ N.C. ppm	Turbidity a/b	Coliform MPN/ml	Analyzed by d
SAN FRANCISCO BAY REGION (NO. 2)																										
ALAMEDA CREEK NEAR NILES (STA. 30) (Cont.)																										
11-16-6[illegible] [illegible]20						/ 8.3		4.08[e]	68 / 2.96		0 / 0.00	185 / 3.03		91 / 2.57			0.4					204				DWR
ALAMEDA CREEK NEAR NILES (STA. [illegible])																										
10-9-6[illegible] 1100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.0 / 8.1		2.84[e]	48 / 2.09		0 / 0.00	135 / 2.21		68 / 1.92			[illegible]		ABS [illegible]		42	142	[illegible]	[illegible]	[illegible]	[illegible]
11-10-6[illegible] 1400	[illegible]	[illegible]	[illegible]	92	[illegible]	8.0 / 8.[illegible]		3.68[e]	50 / 2.18		3 / 0.10	182 / 2.98		69 / 1.95			[illegible]		ABS [illegible]		3[illegible]	184	[illegible]	20	[illegible] 620.	
12-10-6[illegible] 1350	[illegible]	[illegible]	9.8	92	[illegible]1	8.0 / 8.6		4.48[e]	[illegible]1 / 3.09		10 / 0.33	195 / 3.20		89 / 2.51			0.6		ABS [illegible]		41	224	48	3	[illegible] 62.	
1-14-6[illegible] 1320	123	48	11.5	99	[illegible]	8.[illegible] / 8.[illegible]		4.20[e]	36 / 1.57		5 / 0.17	195 / 3.20		34 / 0.96			0.4		ABS [illegible]		2[illegible]	210	42	150	[illegible] 23	
2-11-6[illegible] 0945	3[illegible]	48	8.4	[illegible]	[illegible]3	[illegible] / 8.6		5.82[e]	54 / 2.35		14 / 0.47	246 / 4.03		59 / 1.66			[illegible]		ABS = [illegible]		29	291	66	15	[illegible] 23.	
3-5-6[illegible] 153[illegible]	[illegible]	53	1[illegible].1	129	1,060	7.4 / 8.6		7.82[e]	85 / 3.70		16 / 0.53	308 / 5.05		100 / 2.82			1.2		ABS = 0.1		32	391	112	8	2.3 23.	
4-6-6[illegible] 14[illegible]	[illegible]	[illegible]	12.[illegible]	123	80[illegible]	8.[illegible] / 8.[illegible]		6.08[e]	58 / 2.52		9 / 0.30	266 / 4.36		60 / 1.69			0.[illegible]		ABS [illegible]		29	304	1	[illegible]	2.3 13.	
5-[illegible]-6[illegible] 1300	[illegible]	64	8.[illegible]	[illegible]	8[illegible]3	8.[illegible] / 8.[illegible]	[illegible] / 3.69	[illegible] / 2.91	[illegible] / 2.61	2.[illegible] / 0.[illegible]	16 / 0.53	[illegible] / 4.33	116 / 2.42	[illegible] / 1.89	3.6 / 0.06		0.9	5.5	[illegible] = [illegible]; [illegible] = [illegible]; PO₄ = 0.30	[illegible]	28	33[illegible]	82	10	2.3 23.	
6-[illegible]-6[illegible] 185[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		3.04[e]	[illegible] / 1.[illegible]		0 / 0.00	1[illegible] / 2.29		62 / 1.75			0.3		[illegible]		39	152	3[illegible]	80	62. 230.	
[illegible]					[illegible]88	[illegible] / 8		[illegible]	[illegible]		2 / 0.0[illegible]	131 / 2.15		56 / 1.58			0.3		[illegible] = 0.0		38	145	3[illegible]	50	[illegible] 620.	
8-[illegible]-6[illegible] 1500	38	8[illegible]	[illegible]	1[illegible]	[illegible]	[illegible] / [illegible]		2.80[e]	[illegible]		0 / 0.00	13[illegible] / 2.20		51 / 1.44			0.0				35	140	30	100	62 230.	
[illegible]	38	[illegible]		[illegible]	[illegible]86	8.[illegible] / 7.[illegible]	[illegible]3 / 2.1[illegible]	[illegible]	[illegible] / 1.83	2.[illegible] / 0.07	0 / 0.00	13[illegible] / 2.2[illegible]	[illegible] / 0.[illegible]	62 / 1.75	3.0 / 0.05		0.1	15	[illegible]	283	39	138	28	[illegible]	[illegible] 2[illegible].	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO3)	Bicarbonate (HCO3)	Sulfate (SO4)	Chloride (Cl)	Nitrate (NO3)	Fluoride (F)	Boron (B)	Silica (SiO2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as CaCO3 Total ppm	Hardness as CaCO3 N.C. ppm	Turbidity a/b	Coliform MPN/ml	Analyzed by d
							Mineral constituents in parts per million / equivalents per million																			
							SAN FRANCISCO BAY REGION (NO. 2)																			
							ARROYO DEL VALLE NEAR LIVERMORE (STA. [illegible])																			
10-9-6[illegible] 1130	Ponded																									
11-13-6[illegible] 1200	Ponded																									
1[illegible]-6[illegible] 1330	Ponded																									
1-15-65 1[illegible]	[illegible]	[illegible]	1[illegible]	[illegible]	[illegible]	7.[illegible] / 8.7		[illegible] / 3.66[e]	16 / [illegible]		8 / 0.27	180 / 2.95		12 / 0.34			0.2				16	180	19	2		USGS
2-8-65 1[illegible]	[illegible]	[illegible]	12.3	11[illegible]	[illegible]50	8.[illegible] / 8.5		[illegible].08[e]	19 / 0.8[illegible]		[illegible] / 0.13	211 / 3.46		11 / 0.31			0.5				17	204	24	3		
3-1-65 1[illegible]00	[illegible]	[illegible]	9.3	9[illegible]	508	8.0 / 8.6		[illegible].62[e]	[illegible] / 1.0[illegible]		9 / 0.30	228 / 3.74		14 / 0.39			0.4				18	231	29	2		
4-6-65 1400	29	60	13.0	132	512	8.[illegible] / 8.5		4.70[e]	[illegible] / 0.96		4 / 0.13	239 / 3.92		14 / 0.39			0.4				17	235	32	5		
5-3-65 1230	1	6[illegible]	11.0	12[illegible]	[illegible]	8.0 / 8.3	4[illegible] / 2.1[illegible]	25 / 2.05	20 / 0.8[illegible]	1.6 / 0.0[illegible]	1 / 0.03	222 / 3.64	49 / 1.02	12 / 0.34	0.3 / 0.00		0.3	15	As = 0.00 ABS = 0.0 PO_4 = 0.00	28[illegible]	17	210	26	1		
6-10-65 10[illegible]	3.0	[illegible]	9.6	109	592	8.2 / 8.3		5.20[e]	[illegible] / 1.2[illegible]		[illegible] / 0.13	278 / 4.56		21 / 0.59			0.5				20	260	25	1		
[illegible]-65 1100	[illegible]		9.6	11[illegible]	[illegible]	8.[illegible] / 8.[illegible]		[illegible].68[e]	[illegible] / 1.[illegible]		0 / 0.00	312 / 5.11		30 / 0.85			0.5				23	284	28	1		
8-[illegible]-65 12[illegible]	0.2	8[illegible]	8.[illegible]	10[illegible]	[illegible]8[illegible]	8.0 / 8.1		6.58[e]	50 / 2.18		0 / 0.00	356 / 5.83		[illegible] / 1.2[illegible]			0.9				25	324	32	1		
9-6-65 1200	[illegible].1	[illegible]	8.[illegible]	8[illegible]	1,[illegible]	8.[illegible] / 8.1	10[illegible] / [illegible]	25 / 2.11	86 / [illegible]	[illegible].3 / [illegible]	0 / 0.00	[illegible]28 / [illegible].01	[illegible]9 / 1.6[illegible]	88 / 2.[illegible]8	0.9 / 0.01		1.2	29	As = 0.00 ABS = 0.0 PO_4 = 0.11	61[illegible]	33	370	19	1		

a Field determination.

b Laboratory analysis.

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e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH (a) (b)	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity (a) (b)	Coliform MPN/ml	Analyzed by
SAN FRANCISCO BAY REGION (Sec. 2)																										
ALAMEDA CREEK BELOW ALAMEDA TURNOUT OF SOUTH BAY AQUEDUCT (Sta. 2-A)																										
10-1-64 1820					456			1.48 (e)					28 / 0.58	69 / 1.86					ABS 0.20	246		99				DWR
11-2-64 1545	Local runoff only				2,450			6.57 (e)					110 / 2.32	396 / 11.17						1,420		329				
12-1-64 1140					511			2.20 (e)					[illegible] / 0.71	80 / [illegible]						316		[illegible]				
12-30-64 1345	Local runoff only				389			1.38 (e)					13 / 0.27	34 / 0.96						[illegible]		[illegible]				
2-9-65 1630	Local runoff only				2,360			7.11 (e)					118 / 2.46	398 / 11.23						2,360		[illegible]				
4-1-65 1530	Local runoff only				2,460			7.21 (e)					100 / 2.08	366 / 9.29						1,480		261				
5-11-65 1845	Local runoff only				2,440			6.47 (e)					121 / 2.52	386 / 10.89						1,460		324				
6-1-65 1500					340			1.48 (e)					24 / 0.50	49 / 1.38						189		[illegible]				
7-1-65 1650					[illegible]			1.38 (e)					26 / 0.54	47 / 1.32						191		9				
8-2-65 1440					[illegible]			1.81 (e)					26 / 0.54	45 / 1.27						199		90				
9-1-65 1830					410			2.00 (e)					28 / 0.58	55 / 1.55						233		100				

(a) Field determination.

(b) Laboratory analysis.

(c) Analyzed by California Department of Public Health, Division of Laboratories.

(d) Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

(e) Sum of calcium and magnesium in epm.

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Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH [b]	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ NC ppm	Turbidity [b]	Coliform MPN/ml [c]	Analyzed by [d]
							SAN FRANCISCO BAY REGION (SEC. 2)																			
							COLUSA CREEK NEAR MADRONE (SEC. 82)																			
1-[illegible]						8.2					2	222		28			0.2								2.3	USGS
[illegible]	[illegible]	[illegible]	8.	98	63[illegible]	8.3		[illegible]	[illegible]	[illegible]	4.13	4.36		0.79							22	265	34	1	23.	
11-10-[illegible]						8.0			37		13	261		29			0.2								23.	
11-[illegible]	[illegible]	56	[illegible]	89	0.3	8.5		5.46	1.61		0.43	4.28		0.82							22	268	33	3	62.	
12-11-[illegible]						8.2			42		30	315		36			0.2								2.3	
12-30	[illegible]	53	10.1	95	330	8.4		0.30	1.83		0.33	5.21		1.02							23	315	38	15	9.2	
1-11-[illegible]						7.8			45		2	115		12			0.0								62.	
11:30	93	50	10.9	97	287	8.4		2.22	0.93		0.07	1.88		0.34							22	112	14	140	230.	
2-11-[illegible]						7.8			43		2	110		11			0.2								6.2	
12:[illegible]	83	53	11.[illegible]	10[illegible]	278	8.4		2.16	0.87		0.07	1.80		0.31							23	108	15	110	24.	
3-1-[illegible]						8.2			44		2	113		11			0.0								2.3	
11:00	47	51	11.1	12[illegible]	[illegible]79	8.1		2.22	1.91		0.07	1.85		0.31							22	111	15	40	24.	
4-7-[illegible]						8.1			1[illegible]		0	119		11			0.1								6.2	
12:20	38	52	12.[illegible]	10[illegible]	2[illegible]8	8.1		2.28	0.91		0.00	1.95		0.31							21	114	16	30	43.	
5-6-[illegible]						8.[illegible]	.[illegible]	12	16	1.	2	1.1	3.	11	3.		0.1	11	As = 0.0 [illegible]						.62	
1[illegible]	[illegible]	60	11.1	112	286	8.[illegible]	1.15	0.92	0.70	0.02	0.00	1.98	0.1	0.31	0.00				PO[illegible] = 0.0	180	23	116	14	20	23.	
6-8-[illegible]						8.[illegible]			16		0	12[illegible]		11			0.1								2.3	
12:[illegible]	[illegible]	56	10.8	108	31[illegible]	8.[illegible]		[illegible].95	0.70		0.00	2.03		0.31							21	129	17	6	13.	
7-7-[illegible]						7.8			14		2	134		11			0.1								210.	
12:[illegible]	[illegible]	62	[illegible]	96	319	8.[illegible]		2.42	0.61		0.07	2.20		0.31							17	149	36	10	920.	
8-5-[illegible]						8.1			1[illegible]		1	133		10			0.0								230.	
1:[illegible]	[illegible]	[illegible]	[illegible]	91	31[illegible]	8.[illegible]		[illegible].7	0.[illegible]		0.03	2.21		0.28							19	135	16	7	920.	
9-8-[illegible]						8.[illegible]	38	11	13	2.2	0	103	32	11	2.5		0.0	11	As = 0.0 [illegible] ABS = 0.0						92,000.	
15:[illegible]	83	[illegible]	[illegible]	[illegible]	[illegible]	.8	1.90	0.[illegible]	0.[illegible]	0.06	0.00	2.33	0.6	0.31	0.0[illegible]				PO[illegible] = 0.0	203	18	141	16	4	17,000.	

[a] Field determination.

[b] Laboratory analysis.

[c] Analyzed by California Department of Public Health, Division of Laboratories.

[d] Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

[e] Sum of calcium and magnesium in epm.

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ANALYSES OF SURFACE WATER

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Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/b	Coliform c MPN/ml	Analyzed by d
						a/b	equivalents per million																			
							SAN FRANCISCO BAY REGION (NO. 2)																			
							LOS GATOS CREEK NEAR LOS GATOS (STA. 74)																			
10-6-64 1130	0.4	64	10.0	106	779	8.2 / 8.1		7.20 e	30 / 1.30		0 / 0.00	310 / 5.08		22 / 0.62			0.2				15	360	106	— / 1	6.2 / 23.	USGS
11-11-64 1130	0.7	56	10.4	101	643	7.8 / 8.3		5.92 e	22 / 0.96		3 / 0.13	242 / 3.97		17 / 0.48			0.2				14	296	91	— / 2	23. / 230.	
12-10-64 1245	0.4	54	11.1	105	677	8.0 / 8.0		9.42 e	25 / 1.09		0 / 0.00	311 / 5.10		17 / 0.48			0.2				15	321	66	— / 1	6.2 / 23.	
1-12-65 1100	28	53	10.4	97	240	7.6 / 8.2		2.00 e	9.2 / 0.40		0 / 0.00	80 / 1.31		5.5 / 0.15			0.0				17	100	29	— / 500	230. / 230.	
2-11-65 0845	52	49	11.1	98	269	7.4 / 8.0		2.34 e	9.6 / 0.42		0 / 0.00	105 / 1.72		6.3 / 0.18			0.0				15	117	31	— / 30	5.0 / 6.2	
3-5-65 1410	75	52	10.6	98	276	7.3 / 8.2		2.42 e	10 / 0.44		0 / 0.00	110 / 1.80		7.0 / 0.20			0.0				15	121	31	— / 30	2.3 / 2.3	
4-9-65 1110	31	49	11.5	102	248	7.6 / 7.8		2.20 e	7.7 / 0.33		0 / 0.00	112 / 1.84		4.9 / 0.14			0.1				13	110	18	— / 300	130. / 230.	
5-6-65 1145	60	56	8.5	82	294	8.3 / 8.5	37 / 1.85	8.1 / 0.67	11 / 0.48	1.6 / 0.04	3 / 0.10	113 / 1.85	43 / 0.90	9.6 / 0.19	1.7 / 0.03		0.0	18	As = 0.00 ABS = 0.0 PO_4 = 0.00	190	16	126	28	— / 15	1.3 / 2.3	
6-9-65 1800	64	56	11.0	107	295	7.9 / 8.2		2.76 e	11 / 0.48		4 / 0.13	114 / 1.87		7.1 / 0.20			0.0				16	128	28	— / 7	21. / 510.	
7-9-65 1440	64	63	10.3	108	320	7.9 / 7.8		2.76 e	11 / 0.48		0 / 0.00	132 / 2.16		7.8 / 0.22			0.0				15	138	30	— / 20	230. / 620.	
8-9-65 0915	44	65	10.8	116	342	7.9 / 8.1		3.02 e	12 / 0.52		4 / 0.13	136 / 2.23		7.4 / 0.22			0.0				15	151	33	— / 3	1,700. / 2,400.	
9-8-65 0915	34	69	9.2	103	393	8.3 / 8.3	44 / 2.20	16 / 1.30	14 / 0.61	1.9 / 0.05	1 / 0.03	164 / 2.69	57 / 1.19	9.0 / 0.25	3.0 / 0.05		0.1	14	As = 0.00 ABS = 0.0 PO_4 = 0.10	248	15	175	39	— / 15	23. / 62.	

a Field determination.

b Laboratory analysis.

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d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

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CENTRAL COASTAL REGION (SO. 1)																										
LOCKHART GULCH CREEK ABOVE BEAN CREEK (STA. 301)																										
12-10-64 0850	1 est.	56	6.0	57	505	7.1									1.2				PO_4 0.83							DWR
BEAN CREEK ABOVE LOCKHART GULCH CREEK (STA. 302)																										
12-10-64 0815	1.5 est.	56	7.9	75	472	7.1									1.3				PO_4 1.0							DWR
BEAN CREEK ABOVE MACKENZIE CREEK (STA. 303)																										
12-10-64 0900	1 est.	48	10.7	102	644	7.8									1.8				PO_4 0.34							DWR
BEAN CREEK AT OLD GLENWOOD HIGHWAY (STA. 304)																										
12-10-64 0945	3/4 est.	48	10.0	86	569	7.9									1.3				PO_4 0.48							DWR
ZAYANTE CREEK AT ZAYANTE (STA. 234)																										
11-11-64 0935	5 est.				596	8.3	67 / 3.34	12 / 0.98	34 / 1.48	28 / 0.07	0 / 0.00	171 / 2.80	114 / 2.37	30 / 0.85	0 / 0.00		0.2		Fe 7.8							DWR
BEAR CREEK FOUR MILES NORTHEAST OF BOULDER CREEK (STA. 206)																										
11-11-64 1000	4 1/2 est.				579	7.9	70 / 3.49	11 / 0.89	28 / 1.22	2.2 / 0.06	0 / 0.00	149 / 2.44	125 / 2.60	25 / 0.70	1.2 / 0.02		0.1			376	22	219	97			DWR
SAN LORENZO RIVER AT BOULDER CREEK (STA. 227)																										
12-9-64 1630	3 est.	49	10.8	94	723	7.8								62 / 1.75	1.8 / 0.03				PO_4 0.22					1.4		DWR
SAN LORENZO RIVER SIX MILES NORTH OF BOULDER CREEK (STA. 228)																										
11-11-64 1040	2 1/2 est.				474	8.3	65 / 3.24	8.3 / 0.68	20 / 0.87	1.7 / 0.04	0 / 0.00	180 / 2.95	63 / 1.31	18 / 0.51	1.5 / 0.02		0.2			296	18	196	48			DWR

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Turbidity a/b	Coliform[c] MPN/ml	Analyzed by[d]
							equivalents per million																			
CENTRAL COASTAL REGION (NO. 3)																										
SAN LORENZO RIVER AT BIG TREES NEAR FELTON (STA. 75)																										
0[illegible]																										
1200	[illegible]	54	[illegible]	[illegible]	[illegible]	[illegible]		2.10	0.90		0.07	3.20		0.79			0.1				26	135	22	1	6.2	USGS
[illegible]																										
2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		2.10	0.78		0.00	1.38		0.51			0.1				27	108	39	240	2.1 6.2	
12-10-[illegible]																										
14[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		3.00	1.11		0.00	2.39		0.73			0.1				27	150	30	1	6.2 6.2	
1-12-[illegible]																										
1240	[illegible]	[illegible]	11.0	98	281	[illegible] 8.4		2.14	0.94		0.03	1.49		0.34			0.0				22	107	31	15	6.2 23.	
2-[illegible]																										
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		2.68	1.18		0.00	1.49		0.42			0.1				23	134	38	4	5.0 23.	
3-9-[illegible]						7.8																				
1[illegible]	[illegible]	58	11.4	102	341	8.4		2.62	1.28		0.03	1.90		0.51			0.0				23	131	34	4	6.2 130.	
4-9-[illegible]						[illegible]																				
1[illegible]	[illegible]	59	11.2	11	184	7.7		1.28	0.43		0.00	0.87		0.25			0.1				25	94	<1	600	>20. >20.	
5-9-[illegible]						[illegible]													As 0.00							
1015	98	[illegible]	12	[illegible]	350	8.1	2.20	1.08	0.58	19 0.83	1.8 0.06	2 0.07	119 1.95	57 1.19	18 0.51	0.4 0.01		0.0	25	ABS 0.0 PO_4 0.10	231	23	139	38	2	2.3 23.	
7-9-[illegible]						8.2																				
1650	[illegible]	[illegible]	[illegible]	[illegible]	335	8.0		2.72	0.87		8 0.27	115 1.88		18 0.51			0.2				24	136	29	2	6.2 62.	
[illegible]						7.9																				
0845	[illegible]	[illegible]	[illegible]	[illegible]	366	8.2		2.80	0.87		4 0.13	130 2.13		20 0.56			0.0				24	140	27	1	5 230.	
8-9-[illegible]						7.9																				
0800	29	58	10.1	11	370	7.9		2.78	0.96		0 0.00	144 2.36		22 0.62			0.0				26	139	21	2		
[illegible]						[illegible]													As 0.00							
1000	[illegible]	[illegible]	[illegible]	108	396	8.1	42 2.10	7.3 0.60	21 0.91	1.8 0.05	0 0.00	143 2.34	35 0.73	22 0.62	3.2 0.05		0.0	25	ABS 0.0 PO_4 0.10	223	25	135	18	1	6.2 21.	
BEAN CREEK ONE MILE EAST OF FELTON (STA. 204)																										
[illegible]	1					7.6								29	2.0				PO_4 = 1.2							
0745	0.61	52	10.6	98	427									0.82	0.03					280				5		DWR

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N C ppm	Turbidity	Coliform[c] MPN/ml	Analyzed by[d]
							Calcium (Ca)	Magnesium (M_g)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents							
														equivalents per million											
											CENTRAL COASTAL REGION (CR. 3)														
											SOQUEL CREEK AT SOQUEL (STA. 76)														
10-6-64						8.4			40		12	220		58			0.1							6.2	USGS
1340	1.4	71	12.6	142	735	8.5		9.84[e]	1.74		0.40	3.61		1.64						23	292	92	2	13.	
11-11-64						7.9			35		0	120		44			0.1							2,400.	
1400	10	56	10.3	98	547	8.1		3.04[e]	1.52		0.00	2.07		1.24						29	182	79	10,000	7,000.	
12-10-64						8.2			62		0	258		85			0.4							23.	
1015	0.8	53	11.4	104	929	8.2		6.52[e]	2.70		0.00	4.23		2.40						29	320	114	1	23.	
1-12-65						8.0			23		-	136		16			0.0							50.	
1300	120	52	11.2	101	480	8.5		3.98[e]	1.04		0.13	2.23		0.45						21	199	81	30	23.	
2-11-65						7.8			30		7	164		24			0.1							23.	
0945	43	43	12.8	102	569	8.5		4.62[e]	1.30		0.23	2.69		0.68						22	231	85	4	62.	
3-5-65						8.0			36		4	194		32			0.1							23.	
0942	23	49	10.9	95	634	8.3		5.14[e]	1.57		0.13	3.18		0.90						23	257	91	4	23.	
4-9-65						7.8			12		0	88		9.8			0.2							920.	
1310	850	50	10.5	93	270	7.5		2.06[e]	0.52		0.00	1.44		0.28						20	102	30	1600	1,300.	
5-6-65						7.8													As 0.00					6.2	
0850	30	52	11.2	101	623	8.6	72 3.59	20 1.61	34 1.48	3.2 0.08	10 0.33	184 3.02	123 2.56	30 0.85	1.1 0.02		0.1	26	ABS - 0.0 PO_4 - 0.25	421	22	260	93	101	13.	
6-9-65						8.3			42		20	187		44			0.1							62.	
1500	14	71	9.4	106	690	8.7		5.04[e]	1.83		0.67	3.06		1.24						25	277	91	1	130.	
7-9-65						8.3			50		4	232		56			0.0							230.	
1345	6.9	77	9.5	113	751	8.4		5.08[e]	2.18		0.13	3.80		1.58						28	284	87	1	500.	
																			As 0.00						
9-8-65						8.4			49		2	204		68			0.1	33	ABS - 0.0					62.	
1101	2.8	66	8.1	84	779	8.3	84 4.04	23 1.88	4.13	5.1 0.13	0.07	4.00	106 2.21	1.92	1.8 0.03				PO_4 - 0.15	499	26	290	93	2	62.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: Non-C ppm	Turbidity a/ b/	Coliform c/ MPN/ml	Analyzed by
							equivalents per million																			
CENTRAL COASTAL REGION (NO. 3)																										
PAJARO RIVER AT CHITTENDEN (STA. 77)																										
10-7-64 1340	0.6	64	7.0	83	1,920	8.1 8.4		5.00	140 6.08		12 0.40	490 8.13		125 4.94			1.0				46	430	4	3	23. 23.	PSCS
11-11-64 1710	3.7	57	8.2	79	1,410	8.0 8.3		5.00	139 6.08		4 0.13	526 8.62		126 3.55			0.7				43	430	0	3	62. 230	
12-11-64 1115	4.0	50	8.7	84	1,830	8.0 7.9		9.92 c	166 7.22		0 0.00	502 8.23		182 5.13			1.0				42	496	84	1	2.3 230.	
1-12-65 1615	465	52	8.5	77	414	8.4 8.4		3.20 c	23 1.00		3 0.10	147 2.41		22 0.62			0.1				25	160	35	40	62. 62.	
2-10-65 1000	120	50	10.2	90	1,000	8.2 8.4		7.44 c	78 3.39		10 0.33	236 3.87		77 2.17			0.3				31	372	142	40	62. 62.	
3-4-65 1040	15	50	9.8	86	1,410	8.0 8.2		11.48 c	102 4.44		0 0.00	368 6.03		115 3.19			0.6				28	574	272	15	62. 23.	
4-8-65 1640	26	59	9.5	94	1,270	8.0 8.6		10.20 c	95 4.13		18 0.60	306 5.02		94 2.65			0.6				29	510	230	30	62. 130.	
5-6-65 1222	22	63	8.7	90	1,040	8.0 8.5	83 4.14	55 4.50	66 2.87	3.3 0.08	10 0.33	314 5.15	183 3.81	68 1.92	13 0.21		0.5	18	As = 0.00 ABS = 0.0 PO_4 0.10	985	25	432	158	15	23. 62.	
6-8-65 1445	12	63	11.1	114	1,330	8.1 8.3		10.08 c	102 4.44		4 0.13	436 7.15		106 2.99			0.6				29	534	168	30	230. 230.	
7-8-65 1000	5.0	65	9.6	101	1,420	7.8 8.4		10.60 c	129 5.61		16 0.53	466 7.64		134 3.78			0.8				35	530	122	13	62. 620.	
8-4-65 1600	5.5	75	8.9	104	1,410	8.2 8.4		10.50 c	129 5.61		12 0.40	492 8.06		108 3.05			0.5		As = .00		35	528	105	20		
9-1-65 1230	5.0	48	9.0	98	1,380	8.0 8.0	112 5.74	58 4.78	115 5.00	4.4 0.11	0 0.00	538 8.82	186 3.87	111 3.13	1.4 0.02		0.5	25	ABS 0.0 PO_4 0.74	877	32	526	85	20	62.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Turbidity a/b	Coliform MPN/ml	Analyzed by [1]
FEDERAL COASTAL RECTOR (SEC. 7)																										
SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (SEA. 77a)																										
10-7-64						8.4			224		26	510		158			2.0								2.4	USGS
1410	0.1	79	12.1	152	1,970	8.5		11.36[c]	9.74		0.87	8.36		4.46							46	568	107	1	6.2	
11-12-64						8.4			298		12	370		152			1.9								7,000.	
1450	0.8	58	10.0	101	2,180	8.4		7.28[c]	12.96		0.40	6.06		4.29							64	364	41	10,000	7,000.	
12-9-64						8.4			230		16	530		146			1.8								23.	
1330	0.5	60	11.1	115	2,110	8.6		12.16[c]	10.00		0.53	8.69		4.12							45	608	147	30	62.	
1-13-65						8.4			55		12	392		89			0.8								62.	
1200	15	50	10.5	96	1,280	8.7		9.20[c]	2.39		0.40	6.42		2.51							21	460	99	70	130.	
2-9-65						8.4			125		19	463		86			1.2								50.	
1230	5.0	55	11.0	107	1,370	8.5		10.20[c]	5.44		0.63	7.59		2.43							35	510	99	9	230.	
3-2-65						8.2			44		31	398		29			0.5								23.	
1530	63	65	9.0	98	844	8.7		8.12[c]	1.91		1.03	6.52		0.82							19	408	27	100	230.	
4-8-65						8.4			94		25	443		54			0.9								620.	
1520	10	57	9.3	93	1,120	8.5		8.88[c]	4.09		0.83	7.26		1.52							32	444	40	900	1,300.	
5-4-65						8.3	37	85	61	2.9	28	440	92	30	1.6		0.7	12	As 0.00						230.	
1430	53	65	8.3	91	915	8.7	1.85	6.95	2.65	0.07	0.93	7.21	2.02	0.85	0.03				ABS 0.0					60	230.	
																			PO_4 0.10	562	23	440	33			
6-8-65						8.4			136		32	492		91			1.5								6.2	
1330	6.0	73	10.6	126	1,400	8.6		10.08[c]	5.92		1.07	7.41		2.57							37	504	81	2	23.	
7-7-65						8.4			198		16	392		152			1.5								9.5	
1430	0.3	86	10.3	140	1,690	8.6		9.68[c]	8.61		0.53	6.42		4.29							47	484	136	1	14.	
9-10-65						8.2	36	120	282	4.5	33	446	496	212	3.2		2.2	11	As 0.00						6.2	
1320	0.2	58	10.1	102	2,190	8.7	1.80	9.88	12.27	0.12	1.10	7.28	10.33	5.98	0.05				ABS 0.0							
																			PO_4 0.00	1,470	51	584	164	2	23.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Turbidity	Coliform MPN/ml	Analyzed by
											CENTRAL COASTAL REGION (RU. 4)															
											ESAS CREEK NEAR MORGAN HILL (STA. 96)																
11-[illegible]						8.3			98		0	21		7.1			0.1									USGS
1200			.2	[illegible]	413	8.2			4.26		0.00	0.34		0.20							29	200	22	1	0.62	
[illegible]						8			32		3	231		6.9			0.2									
1300	1	58	[illegible]	101	461	7.4			1.39		0.10	3.78		0.19							12	143	15	4	[illegible]	
[illegible]						8.0			12		8	202		8.0			0.1								2.3	
[illegible]		[illegible]			[illegible]	7.9			0.52		0.27	3.31		0.23							12	200	21	1	[illegible]	
[illegible]						8.1			[illegible]		4	92		4.1			0.1								2.3	
1300	3	53	10.2	96	194	8.2			0.80		0.13	1.51		0.12							15	85	10	20	6.2	
[illegible]						7.8			9		5	34		2.4			0.1								6.2	
[illegible]	0.1	53	11.5	101	283	8.5			2.32		0.17	2.46		0.24							14	116	13	8	23	
3-[illegible]						8.4			110		4	156		8.1			0.0								23	
[illegible]	3	61	[illegible]	106	324	8.4			3.42		0.13	2.56		0.23							12	156	22	8	230	
[illegible]						7.8			9.1		1	141		5.5			0.1								[illegible]	
1420	2.2	56	13.1	126	292	8.4			2.72		0.03	2.31		0.16							13	136	15	2	2.3	
5-8-[illegible]						8.0	32	13	9.0	0.9	0	142	23	5.2	2.0		0.0	17	[illegible]						2.3	
1400	1	64	9.8	104	284	8.0	1.60	1.04	0.39	0.02	0.00	2.33	0.48	0.16	0.03				[illegible]	172	13	132	16	3	13	
6-8-[illegible]						7.6			9.5		2	140		5.4			0.0								62	
[illegible]	5	60	9.3	95	282	8.3			2.42		0.07	2.29		0.15							13	131	13	1	2,400.	
[illegible]						7.9			9.0		0	143		5.7			0.0								2.3	
[illegible]	18	60	10.4	112	290	8.1			2.80		0.12	2.34		0.16							13	140	13	1	23	
9-8-[illegible]						7.8			[illegible]		0	137		6.0	3.8		0.1	16	[illegible]						230.	
132	8	[illegible]	[illegible]	[illegible]	[illegible]	7.9	30	16	[illegible]	[illegible]	0.00	2.90	0.52	0.17	0.06				[illegible]	202	13	157	12	3	2,400.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity	Coliform[c] MPN/ml	Analyzed by[a]
							Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents							
							equivalents per million																			
CENTRAL COASTAL REGION (SOL. 4)																									
SALINAS RIVER NEAR L.00 (STA. 264)																									
10-8-64 0927		64	11.4	98	2,500	9.1																			Field determinations
10-8-64 1430		70	22.1	214	2,500	9.1								1,170							635		105		Field determinations
1-11-65 1430		56	10.9	92	929	7.8 8.1	41 2.04	24 1.98	101 4.39	3.1 0.13	0 0.00	143 2.34	74 1.56	166 4.64	3.3 0.05		0.2		ABS = 0.0	580	51	201	84	230		DWR
4-12-65 0933		58	9.8	84	860	7.8																			Field determinations
7-22-65 1700		64	10.4	96	17,000	8.2								6,748							2,900		10		Field determinations
[illegible]		[illegible]	[illegible]	[illegible]	2,000	8.1													BOD = 2.1						Field determinations
[illegible] 1420		[illegible]	[illegible]	[illegible]	[illegible]	8.1								15,000									10		Field determinations
5-3-65 0930		54	[illegible]	[illegible]	[illegible]	8.2																			Field determinations
SALINAS RIVER MILE 1.70 (STA. 263)																									
10-8-64 0950		68	13.0	98	2,300	9																			Field determinations
10-8-64 1500		66	24.6	211	2,400	9.0								430							500		90		Field determinations
1-11-65 1020		51	11.2	91	995	7.6 8.0	46 1.80	24 1.96	78 3.39	5 0.13	0 0.00	129 2.11	43 1.10	179 0.55	4.1 0.05		0.2		AB = 0.0	262	25	143	37	180		DWR

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/ b/	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/ b/	Coliform c/ MPN/ml	Analyzed by d/
																			CENTRAL COASTAL REGION (NO. 3)							
																			SALINAS RIVER MILE 1.70 (STA. 263) (Cont.)							
1-12-64 0930																										Field determinations
2-2-65 1630		56											1,960									1,000		12		Field determinations
2-3-65 0900		55	6.6	62	1,600														BOD - 6.2							Field determinations
3-2-65 1715		69	7.8	90	15,000	8.0																		20		Field determinations
3-3-65 0926		55	25.7	242	24,000	8.2																				Field determinations
																			SALINAS RIVER MILE 3.50 (STA. 262)							
10-8-64 0930		66	6.8	73	2,220	8.2																				Field determinations
10-8-64 1527		68	13.2	143	2,020	8.4							260									530		40		Field determinations
1-1-65 1630		51	9.1	93	262	7.6 / 8.2	34 / 1.70	15 / 1.23	1 / 0.04	1 / 0.03	0 / 0.00	125 / 2.05	50 / 1.04	12 / 0.34	2.2 / 0.04		0.2		[illegible]	221	21	133	37	180		DWR
1-12-65 0920		49	9.8	85	382	7.6																				Field determinations
2-2-65 1610		56	8.6	93	600	7.7							62									310		28		Field determinations

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in ports per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluorids (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N C ppm	Turbidity a/b	Coliform c MPN/ml	Analyzed by d
														equivalents per million												
							CENTRAL COASTAL REGION (NO. 3)																			
							SALINAS RIVER NILE 3.50 (STA. 262) (Cont.)																			
2-3-65 0435		56	6.6	63	760	7.5													BOD = 4.7							Field determinations
3-2-65 1740		61	13.5	137	8,500	8.0								3,620								1,750		30		Field determinations
3-3-65 0547		54	9.9	92	4,000	8.0																				Field determinations
							BLANCO DRAIN INTO SALINAS RIVER (STA. 246)																			
10-8-64 0445		60	5.8	58	3,000	7.8																				Field determinations
10-8-64 1605	3 est.	66	8.6	92	2,750	8.0								290								750		20		Field determinations
1-11-65 1230	5 est.	52	7.9	72	4,260	7.8 8.0	160 7.98	197 16.20	551 23.97	5.5 0.14	0 0.00	690 11.31	1,180 24.57	438 12.36	119 1.92		1.4		ABS = 0.0	3,190	50	1,210	644	60		DWR
1-12-65 0420	5 est.	51	8.1	73	3,400	7.9																				Field determinations
2-2-65 1525	5 est.	56	10.0	95	3,750	8.1								422								1,140		52		Field determinations
2-3-65 0350	5 est.	54	9.3	85	3,800	8.1																				Field determinations
3-2-65 1630	4 est.	60	11.7	117	3,100	8.0								368								850		65		Field determinations
3-3-65 0455	4 est.	51	9.6	86	2,950	8.5																				Field determinations

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a / b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfates (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N C ppm	Turbidity a / b	Coliform[c] MPN/ml	Analyzed by[d]
														equivalents per million												
							CENTRAL COASTAL REGION (NO. 3)																			
							SALINAS RIVER MILE 4.65 (STA. 261)																			
10-8-64 0505		63	1.0	10	1,875	7.5																				Field determinations
10-8-64 1625		70	13.3	149	1,700	7.8								230								420		18		Field determinations
1-11-65	Sampling point inaccessible due to high water.																									
2-2-65 1545		56	6.9	66	665	7.6								60								305		28		Field determinations
2-3-65 0410		56	6.8	65	705	7.7													BOD = 7.0							Field determinations
3-2-65 1648		62	9.7	99	1,100	7.9								136								440		20		Field determinations
3-3-65 0510		53	3.6	33	1,230	7.7																				Field determinations
							SALINAS RIVER MILE 7.13 (STA. 260)																			
10-8-64 0410		64	0.7	7	1,850	7.6																				Field determinations
10-8-64 1700		70	2.4	27	1,700	7.6								240								400		28		Field determinations
1-11-65 1530		50	10.5	93	370	7.6 / 8.0	35 / 1.75	12 / 1.03	17 / 0.74	2.6 / 0.07	0 / 0.00	127 / 2.08	50 / 1.04	13 / 0.37	2.8 / 0.04		0.2		ABS = 0.0	218	21	139	35	180		DWR
1-12-65 0355		50	10.0	88	375	7.7																				Field determinations

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH [b]	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ NC ppm	Turbidity [b]	Coliform [c] MPN/ml	Analyzed by [d]
											CENTRAL COASTAL REGION (NO. 3)															
											SALINAS RIVER MILE 7.15 (STA. 260) (Cont.)																
2-2-65 1500		56	6.9	66	650	7.5								36								280		32		Field determinations
2-3-65 0330		55	6.4	60	600	7.0													BOD = 9.0							Field determinations
3-2-65 1605		66	5.9	63	1,150	7.1								170								430		7		Field determinations
3-3-65 0435		55	3.6	34	1,210	7.8																				Field determinations
											SALINAS RIVER MILE 4.51 (STA. 270)															
10-8-64 0345		67	0.1	1	1,400	7.0																				Field determinations
10-8-64 1730		68	0.3	3	1,600	7.1								250								410		22		Field determinations
1-11-65 1505		50	10.6	95	376	7.6 7.8	36 1.80	13 1.04	18 0.78	2.5 0.06	0 0.00	129 2.11	53 1.10	13 0.37	2.4 0.04		0.2		ABS 0.0	233	21	142	36	175		DWR
1-12-65 0330		50	10.3	91	376	7.6																				Field determinations
2-2-65 1425		57	6.9	67	660	7.6								98								360		32		Field determinations
2-3-65 0300		55	6.6	65	710	7.4													BOD = 7.6							Field determinations

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen % Sat	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity	Coliform MPN/ml	Analyzed by
							Mineral constituents in parts per million / equivalents per million																			
CENTRAL COASTAL REGION (NO. 3)																										
SALINAS RIVER MILE 9.51 (STA. [illegible]) (Cont.)																										
3-2-[illegible] 1530		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								1,0[illegible]								[illegible]		8		Field determination
3-3-[illegible] 0407		56	[illegible]	[illegible]	1,[illegible]	[illegible]																				Field determination
SALINAS RIVER MILE 1[illegible] (STA. [illegible])																										
10-8-6[illegible] 0300	[illegible]	[illegible]	[illegible]	[illegible]	1,680	7.[illegible]																				Field determination
10-8-6[illegible] 1800	3.8	66	[illegible]	[illegible]	1,[illegible]	7.6								[illegible]								[illegible]		12		Field determination
1-11-65 1420	1,490	50	10.9	98	373	7.8 / 7.8	36 / 1.80	12 / 1.02	18 / 0.78	2.5 / 0.06	0 / 0.00	128 / 2.10	52 / 1.08	13 / 0.37	1.8 / 0.03		0.1		[illegible]	231	21	141	36	160		DWR
1-12-65 0300	1,230	49	10.8	9[illegible]	[illegible]	7.8																				Field determination
2-2-65 13[illegible]	[illegible]	56	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]8								[illegible]		[illegible]		Field determination
[illegible] 02[illegible]		[illegible]	8.9	[illegible]	670	[illegible].8													BO[illegible]							Field determination
3-[illegible] [illegible]	8.0	61	5.9	60	980	7.6								120								[illegible]		1[illegible]		Field determination
3-[illegible] [illegible]		[illegible]	[illegible]	[illegible]	1,030	7.6																				Field determination

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micrombos at 25°C)	pH a / b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Turbidity a / b	Coliform MPN/ml	Analyzed by d
											CENTRAL COASTAL REGION (NO. 3)															
											SALINAS RIVER NEAR SPRECKELS (STA. 43)																
10-6-64						7.4			141		0	604		162			0.4								7,000.	USGS
1600	3.5	68	3.1	34	1,660	8.2		9.80 e	6.18		0.00	9.90		4.57							38	490	0	1	24,000.	
11-11-64						7.4			106		0	626		124			0.5								130.	
1600	8.3	59	2.8	28	1,410	7.6		9.60 e	4.61		0.00	10.26		3.50							32	480	0	5	2,400.	
12-11-64						7.6			136		0	752		162			0.4								230.	
1000	5.5	59	0.0	0	1,860	8.0		11.52 e	5.92		0.00	12.33		4.57							34	576	0	20	2,400.	
1-11-65						7.8																			230.	
1420	1,500	51	10.9	97	373	7.8	36 1.80	12 1.02	18 0.78	2.5 0.06	0 0.00	128 2.10	52 1.08	13 0.37	1.8 0.03		0.1			231	21	141	36	160	230.	
2-10-65						8.0			54		2	246		48			0.2								230.	
0850	98	48	9.9	85	779	8.3		6.08 e	2.35		0.07	4.03		1.35							28	304	99	10	620.	
3-4-65						7.4			99		0	505		112			0.7								23.	
0915	5.0	50	5.8	51	1,320	7.7		9.44 e	4.31		0.00	8.28		3.16							31	472	58	1	23.	
4-9-65						7.3			122		0	642		132			0.3								230.	
1540	14	54	6.4	63	1,480	8.0		10.28 e	5.31		0.00	10.52		3.72							34	514	0	20	230.	
5-6-65						7.4	131	45	106	22	28	546	69	131	13		0.3	35	As = 0.01 ABS = 1.1						62.	
1030	9.0	62	5.7	58	1,370	8.5	6.54	3.74	4.61	0.56	0.93	8.95	1.44	3.70	0.21				PO_4 = 3.25	882	30	514	20	20	230.	
6-9-65						7.4			138		49	546		150			0.3								620.	
1400	6.2	69	4.2	46	1,530	8.7		10.60 e	6.00		1.63	8.95		4.23							36	530	0	1	2,400.	
7-8-65						7.4			135		0	400		150			0.8		ABS = 1.7						130.	
0400	2.5	55	4.8	45	1,310	7.5		6.20 e	5.87		0.00	6.56		4.23							49	310	0	13	620.	
8-4-65						7.6			136		0	186		148			0.4									
1400	1.5	61	5.6	56	1,130	7.9		4.92 e	5.92		0.00	3.05		4.18							55	246	93	2		
9-1-65						7.9	83	22	70	23	0	342	51	80	38		0.4	25	As = 0.01 ABS = 0.2						230.	
0700	2.0	53	5.2	48	937	7.9	4.14	1.84	3.04	0.59	0.00	5.61	1.06	2.26	0.61				PO_4 = 8.9	577	32	299	19	5	620.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfates (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/b	Coliform[c] MPN/ml	Analyzed by[d]
							CENTRAL COASTAL REGION (NO. 3)																			
							SALINAS RIVER MILE 25.67 (STA. 306)																			
1-11-65 1330		50	10.9	96	388	7.8 / 8.0	37 / 1.85	13 / 1.11	18 / 0.78	2.3 / 0.06	0 / 0.00	133 / 2.18	56 / 1.16	13 / 0.37	2.2 / 0.04		0.1		ABS = 0.0	242	20	148	39	140		DWR
1-12-65 0220		50	10.7	94	388	7.8																				Field determinations
2-2-65 1300		56	11.0	105	585	8.3								44								280		25		Field determinations
2-3-65 0200		55	10.3	97	690	8.3													BOD = 1.1							Field determinations
3-2-65 1400		68	11.5	126	720	8.3								70								370		5		Field determinations
3-3-65 0242		51	10.0	90	1,090	8.3																				Field determinations
							SALINAS RIVER NEAR BRADLEY (STA. 43c)																			
10-8-64 1600	300	74	8.6	102	340	8.2 / 8.1		3.00[e]	14 / 0.61		0 / 0.00	151 / 2.47		9.0 / 0.25			0.1				17	150	26	—	0.62 / 2.1	USGS
11-12-64 1330	50	70	8.5	96	523	8.2 / 8.4		4.24[e]	30 / 1.30		6 / 0.20	192 / 3.15		20 / 0.56			0.1				23	212	45	—	2.3 / 2.3	
12-9-64 1110	13.4	60	11.6	118	695	8.4 / 8.5		5.38[e]	45 / 1.96		6 / 0.20	224 / 3.67		33 / 0.93			0.2				27	269	75	—	.23 / .62	
1-13-65 1410	600	53	10.8	101	464	7.0 / 8.4		3.78[e]	25 / 1.09		3 / 0.10	169 / 2.77		18 / 0.51			0.0				22	189	45	—	230. / 620.	
2-9-65 1035	116	52	10.3	95	582	8.2 / 8.4		4.64[e]	35 / 1.52		6 / 0.20	198 / 3.25		26 / 0.73			0.2				25	232	60	—	13. / 23.	

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled P S T	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/b	Coliform MPN/ml	Analyzed by c
											CENTRAL COASTAL REGION (NO. 3)																
											SALINAS RIVER NEAR BRADLEY (STA. 43c) (Cont.)																
3-2-65						8.2			43		10	207		33			0.3								.62	USGS
1300	66	67	9.6	106	652	8.6		5.14 e	1.87		0.33	3.39		0.93							27	257	71	5	2.3	
4-8-65						8.2			38		6	202		29			0.2								50.	
1300	350	56	10.0	97	599	8.4		4.74 e	1.65		0.20	3.31		0.82							26	237	62	20	62.	
																			As = 0.00							
5-4-65						8.1	62	21	39	1.8	4	220	99	28	1.0		0.1	28	ABS = 0.0						23.	
1115	80	66	10.0	109	629	8.4	3.09	1.75	1.70	0.05	0.13	3.61	2.06	0.79	0.02				PO_4 = 0.20	409	26	242	55	6	23.	
6-9-65						8.2			11		3	124		8.1			0.0								62.	
1140	415	66	10.4	113	297	8.3		2.54 e	0.48		0.10	2.03		0.23							16	127	20	15	62.	
7-9-65						7.8			11		1	122		7.0			0.0								13.	
1100	463	67	10.4	114	280	8.4		2.48 e	0.48		0.03	2.00		0.20							16	124	22	10	62	
8-4-65						8.0			10		0	124		6.9			0.1									
0645	610	62	10.0	104	282	8.2		2.46 e	0.44		0.00	2.03		0.19							15	123	21	1		
																			As = 0.01							
9-10-65						8.3	27	14	12	1.3	0	134	35	7.2	1.1		0.2	12	ABS = 0.0						6.2	
0850	465	65			297	7.6	1.35	1.19	0.52	0.03	0.00	2.20	0.73	0.20	0.02				PO_4 = 0.10	175	17	127	17	2	13.	
											SAN ANTONIO RIVER NEAR PLEYTO (STA. 43d)																
10-8-64																										
1630	Dry																									
11-12-64																										
1410	Dry																									
12-9-64																										
1110	Dry																									
1-13-65						7.9			10		2	130		5.7			0.0								62.	USGS
1450	240	57	10.0	98	310	8.4		2.80 e	0.44		0.07	2.13		0.16							14	140	30	15	130.	
2-9-65						7.8			12		0	150		6.6			0.1								2.3	
0950	62	51	11.0	100	364	8.2		3.24 e	0.52		0.00	2.46		0.19							14	162	39	4	13.	
3-2-65						8.2			14		4	154		8.5			0.2								5.	
1145	38	66	8.0	87	392	8.5		3.52 e	0.61		0.13	2.52		0.24							15	176	43	1	13.	

a Field determination.

b Laborstory analysis.

c Analyzed by California Department of Public Health, Division of Laborstories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Turbidity a/b	Coliform c MPN/ml	Analyzed by d
							equivalents per million																			
CENTRAL COASTAL REGION (NO. 3)																										
SAN ANTONIO RIVER NEAR PLEYTO (STA. 43d) (Cont.)																										
4-8-65 1200	80	54	10.4	98	361	8.0 / 8.4		3.24 e	12 / 0.52		3 / 0.10	142 / 2.33		6.7 / 0.19			0.1		As = 0.00 ABS = 0.0 PO_4 = 0.10		14	162	41	15	62. 230.	USGS
5-4-65 1010	55	62	9.9	103	387	8.1 / 8.5	55 / 2.74	9.0 / 0.74	13 / 0.57	1.2 / 0.03	4 / 0.13	153 / 2.51	59 / 1.23	7.2 / 0.20	0.7 / 0.01		0.0	28		257	14	174	42	30	230. 500.	
6-9-65 1930	13	76	10.0	121	418	8.2 / 8.4		3.66 e	17 / 0.74		4 / 0.13	167 / 2.74		10 / 0.28			0.0				17	183	39	1	6.2 230.	
7-9-65 1000	1.2	80	12.4	156	411	8.3 / 8.5		3.44 e	39 / 1.70		5 / 0.17	157 / 2.57		13 / 0.37			0.0		As = 0.00 ABS = 0.0 PO_4 = 0.05		33	172	35	1	6.2 62.	
9-10-65 0658	0.2	72	10.0	116	365	7.5 / 8.6	35 / 1.75	14 / 1.13	20 / 0.87	2.8 / 0.07	11 / 0.37	110 / 1.80	59 / 1.23	13 / 0.37	0.6 / 0.01		0.0	27		227	23	144	36	3	620. 620.	
NACIMIENTO RIVER NEAR SAN MIGUEL (STA. 43b)																										
10-8-64 1500	315	77	9.5	116	313	8.2 / 7.9		2.80 e	10 / 0.44		0 / 0.00	138 / 2.26		6.8 / 0.19			0.0				14	140	27	1	21. 23.	USGS
11-12-64 1530		63	10.0	105	338	8.1 / 8.1		3.10 e	10 / 0.44		0 / 0.00	162 / 2.66		7.5 / 0.21			0.0				12	155	22	3	6.2 6.2	
12-9-64 0920	2	54	3.9	37	358	7.4 / 8.5		3.30 e	11 / 0.48		5 / 0.17	166 / 2.72		8.6 / 0.24			0.9				13	165	21	4	6.2 6.2	
1-13-65 1530	4	57	7.6	74	361	7.8 / 8.6		3.40 e	11 / 0.48		6 / 0.20	166 / 2.72		8.1 / 0.23			0.0				12	170	24	10	23. 62.	
2-9-65 0905	1 est.	51	9.8	89	361	7.8 / 8.0		3.36 e	12 / 0.52		0 / 0.00	176 / 2.88		9.0 / 0.25			0.1				13	168	24	20	13. 62.	
3-2-65 1030	0.1	58	8.0	79	362	7.8 / 8.4		3.38 e	11 / 0.48		4 / 0.13	169 / 2.77		7.8 / 0.22			0.1				12	169	24	5	.23 .23	
4-8-65 1100	Ponded																									
5-4-65 0935	Ponded																									

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Turbidity a/b	Coliform c MPN/ml	Analyzed by d
							equivalents per million																			
							CENTRAL COASTAL REGION (NO. 3)																			
							NACIMIENTO RIVER NEAR SAN MIGUEL (STA. 43b) (Cont.)																			
6-9-65						8.0			8.1								0.0								13.	USGS
1000	365	59	11.1	111	259	7.8		2.34[e]	0.35		0.00	1.87		0.16							13	117	24	5	62.	
7-9-65						7.4			8.6		2	109		5.9			0.0								23.	
0900	473	59	10.2	102	257	8.4		2.36[e]	0.37		0.07	1.79		0.17							14	118	25	2	620.	
9-10-65						7.9	39	5.5	8.4	1.1	0	123	29	5.6	1.3		0.0	14	As = 0.00 ABS = 0.0						2.3	
0630	425	60	10.8	110	269	7.7	1.95	0.45	0.37	0.03	0.00	2.02	0.60	0.16	0.02				PO_4 = 0.13	161	13	120	19	4	62.	
							SALINAS RIVER AT PASO ROBLES (STA. 43a)																			
10-8-64																										
1540	Dry																									
11-12-64																										
1600	Dry																									
12-9-64																										
0830	Dry																									
1-13-65						8.2			24		13	189		24			0.0								1,300.	USGS
1615	120	56	9.4	91	560	8.5		5.00[e]	1.04		0.43	3.10		0.68							17	250	74	10	500.	
2-9-65						8.2			26		8	228		28			0.1								6.2	
0815	33	47	11.3	97	634	8.4		5.84[e]	1.13		0.27	3.74		0.79							16	292	92	3	6.2	
3-2-65						8.0			44		8	264		50			0.4								230.	
0900	20	52	11.1	102	809	8.4		6.92[e]	1.91		0.27	4.33		1.41							22	346	116	3	2,400.	
4-8-65						8.0			28		6	234		30			0.2								50.	
1015	52	53	10.7	100	640	8.4		5.78[e]	1.22		0.20	3.84		0.85							17	289	87	30	130.	
5-4-65						8.2	107	16	36	1.4	2	282	122	36	1.2		0 0	24	As = 0.00 ABS = 0.0						6.2	
0820	20	54	10.3	97	753	8.3	5.34	1.30	1.57	0.04	0.07	4.62	2.54	1.02	0.02				PO_4 = 0.10	487	19	332	97	7	23.	
6-9-65																										
0930	Dry																									
7-9-65																										
0800	Dry																									

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen		Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Turbidity	Coliform[c] MPN/ml	Analyzed by[d]
			ppm	%Sat			Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents							
						a / b	equivalents per million															Total ppm	N C ppm	a / b		
							CENTRAL COASTAL REGION (NO. 3)																			
							SALINAS RIVER AT PASO ROBLES (STA. 43a) (Cont.)																			
8-4-65 0530	Dry																									
9-10-65 0600	Dry																									
							CARMEL RIVER AT ROBLES DEL RIO (STA. 83)																			
10-6-64 1500	Dry																									
11-11-64 1530	Dry																									
12-11-64 0905	0.3	56	8.0	77	558	7.2 / 8.0		3.94[e]	64 / 2.78		0 / 0.00	169 / 2.77		31 / 0.87			0.0				41	197	58	1	13. 62.	USGS
1-12-65 1440	270	50	11.2	99	169	7.5 / 8.0		1.26[e]	8.5 / 0.37		0 / 0.00	71 / 1.16		7.0 / 0.20			0.0				23	63	5	4	2.3 23.	
2-10-65 0815	70	46	11.5	97	227	7.0 / 8.1		1.74[e]	12 / 0.52		0 / 0.00	93 / 1.52		9.0 / 0.25			0.2				23	87	11	7	23. 23.	
3-4-65 0814	35	49	10.3	90	250	7.8 / 8.2		1.92[e]	13 / 0.57		0 / 0.00	101 / 1.66		11 / 0.31			0.0				23	96	13	1	2.3 2.3	
4-9-65 1500	250	54	11.2	105	241	7.8 / 8.1		1.88[e]	12 / 0.52		0 / 0.00	100 / 1.64		8.6 / 0.24			0.2				22	94	12	15	13. 50.	
5-6-65 0915	72	50	10.8	96	232	7.6 / 8.0	26 / 1.30	5.8 / 0.48	11 / 0.48	1.9 / 0.05	0 / 0.00	100 / 1.64	19 / 0.40	10 / 0.28	1.2 / 0.02		0.0	24	As = 0.00 ABS = 0.0 PO_4 = 0.05	148	21	89	7	2	2.3 6.2	
6-9-65 1420	16	69	10.8	121	253	8.4 / 8.5		1.94[e]	14 / 0.61		2 / 0.07	101 / 1.66		13 / 0.37			0.0				24	97	11	1	6.2 13.	
7-14-65 0500	0.6	56	9.8	94	348	7.6 / 8.5		2.56[e]	23 / 1.00		4 / 0.13	130 / 2.13		16 / 0.45			0.0				28	128	15	1	23. 23.	
9-2-65 0830	Dry																									

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/b	Coliform MPN/ml [c]	Analyzed by [d]
							equivalents per million																			
SOUTH BAY AQUEDUCT																										
INTERIM INTAKE CANAL AT AVIO GATE (STA. 308)																										
4-20-65 0800					231	—/7.1	11/0.65	6.2/0.51	20/0.87	3.1/0.08	0/0.00	58/0.95	20/0.42	28/0.79	1.6/0.02		0.1			137	42	58	10			DWR
8-12-65 0930		75																	Susp. solids 87					70/57		
BETHANY FOREBAY AT SOUTH BAY PUMPING PLANT (STA. 207)																										
10-1-64 1930					449	—/8.1	20/1.00	12/0.98	36/2.00	2.7/0.07	0/0.00	94/1.54	29/0.60	67/1.89	1.0/0.02		0.1			243	49	99	22			DWR
11-2-64 1630					565	—/8.2	27/1.35	15/1.27	57/2.48	3.2/0.08	0/0.00	121/1.98	41/0.85	78/2.20	3.8/0.06		0.2			305	48	131	32			
12-1-64 1000					571	—/8.1	34/1.70	9/0.74	58/2.52	3.0/0.08	0/0.00	97/1.59	58/1.21	81/2.28	3.0/0.05		0.3		Cu = 0.00 Zn = 0.00	321	50	122	42			
12-30-64 1645					580	—/8.1	33/1.65	9.6/0.79	60/2.61	3.1/0.08	0/0.00	100/1.64	59/1.23	82/2.31	2.9/0.05		0.3		Cu = 0.00 Zn = 0.00	349	51	122	40			
2-9-65 1815					569	—/9.3	27/1.35	10/0.85	65/2.83	3.4/0.09	19/0.63	57/0.93	62/1.29	82/2.31	0.1/0.00		0.3		Cu = 0.00 Zn = 0.00	308	55	110	32			
3-2-65 1000					584	—/8.3	35/1.75	9.6/0.79	64/2.78	3.5/0.09	0/0.00	105/1.72	61/1.27	83/2.34	1.0/0.02		0.3		Cu = 0.00 Zn = 0.02	329	51	127	41			
4-1-65 1630					554	—/8.3	26/1.30	14/1.14	58/2.52	3.0/0.08	0/0.00	100/1.64	59/1.14	76/2.14	2.7/0.04		0.3		Cu = 0.00 Zn = 0.00	313	50	122	40			
5-11-65 1000					474	—/8.1	24/1.20	11/0.88	45/1.96	2.6/0.07	0/0.00	84/1.38	45/0.94	66/1.86	1.3/0.02		0.2		Cu = 0.00 Zn = 0.01	260	48	104	35			
6-1-65 1000					338	—/8.0	16/0.80	8.5/0.70	27/1.17	2.3/0.06	0/0.00	62/1.02	27/0.56	44/1.24	1.4/0.02		0.1		Cu = 0.00 Zn = 0.01	185	43	75	24			

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2

ANALYSES OF SURFACE WATER

Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/b	Mineral constituents in parts per million (Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents)	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/b	Coliform MPN/ml	Analyzed by
							equivalents per million																			
SOUTH BAY AQUEDUCT																										
BETHANY FOREBAY AT SOUTH BAY PUMPING PLANT (STA. 207)																										
7-1-65 1730					333	7.2	18 / 0.90	7.0 / 0.58	31 / 1.34	2.4 / 0.06	0 / 0.00	60 / 0.98	26 / 0.54	45 / 1.27	1.5 / 0.02		0.1		Al = 0.01 Cr = 0.00 Cu = 0.00 Fe = 0.29 Pb = 0.00 Mn = 0.00 Zn = 0.01	183	46	74		22		DWR
8-3-65 1345					359	8.0	20 / 1.00	9.5 / 0.78	31 / 1.35	2.7 / 0.07	0 / 0.00	80 / 1.31	26 / 0.54	45 / 1.27	1.0 / 0.02		0.1			215	42	89	23	31		
9-1-65 1120					421	8.2	22 / 1.10	11 / 0.92	39 / 1.70	2.8 / 0.07	0 / 0.00	92 / 1.51	29 / 0.60	57 / 1.61	0.8 / 0.01		0.1			232	45	101	26	29		
DYER CANAL AT DYER-ALTAMONT CHECK (STA. 312)																										
8-12-65 1035		75	8.3	101	339[a]	7.7													Secchi disk = 1.4' Susp. solids= 22					23 / 28		DWR
8-26-65 1110		75	8.1	99	360[a]	7.3													Secchi disk = 1.7' Susp. solids= 16					24		
LIVERMORE VALLEY CANAL AT PATTERSON RESERVOIR (STA. 214)																										
10-1-64 1755					457	8.0		2.04[c]	46 / 2.00		0 / 0.00	93 / 1.52	30 / 0.62	70 / 1.97						244		102				DWR
11-2-64 1530					548			2.54[c]					39 / 0.81	75 / 2.12						299		127				
12-1-64 1600					584			2.58[c]					57 / 1.19	81 / 2.28						323		129				
12-30-64 1330					541			2.46[c]					53 / 1.10	73 / 2.06						298		123				
2-9-65 1600					643			3.08[c]					59 / 1.23	91 / 2.57						351		154				
3-2-65 1840					619			2.68[c]					58 / 1.21	87 / 2.45						347		134				

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-2
ANALYSES OF SURFACE WATER

Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved oxygen ppm	Dissolved oxygen %Sat	Specific conductance (micromhos at 25°C)	pH a/ b/	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$ Total ppm	Hardness as $CaCO_3$ N.C. ppm	Turbidity a/ b/	Coliform c/ MPN/ml	Analyzed by d/
							SOUTH BAY AQUEDUCT																			
							LIVERMORE VALLEY CANAL AT PATTERSON RESERVOIR (STA. 314) (Cont.)																			
4-1-65													42	71												
1515					553			2.28 e/					0.87	2.00						312		114				DWR
5-11-65													40	67												
1830					496			2.16 e/					0.83	1.89						284		108				
6-1-65													25	47												
1100					355			1.62 e/					0.52	1.32						192		81				
7-1-65													25	46												
1635					337			1.58 e/					0.52	1.30						194		75				
							PATTERSON RESERVOIR (STA. 315)																			
8-2-65													26	45												
1220					358			1.78 e/					0.54	1.27								89				DWR
9-1-65													28	55												
1225					413			2.06 e/					0.58	1.55								102				
							ALAMEDA CANAL AT DEL VALLE CHECK (STA. 314)																			
8-2-65													26	44												
1145					359								0.54	1.24						194				31		DWR
8-12-65						7.9													Secchi disk = 1.1'					28		
1135		75	9.1	109	335 a/														Susp. solids= 34					41		
8-26-65						7.3													Secchi disk = 1.4'							
1210		78	9.4	116	365 a/														Susp. solids= 21					24		
							SANTA CLARA PERCOLATION PONDS (STA. 315)																			
7-1-65													17	32												
1445					249			1.28 e/					0.35	0.90						153		64				DWR
8-2-65													25	44												
1100					353			1.78 e/					0.52	1.24						193		89		37		
9-1-65													30	58												
1500					423			2.08 e/					0.62	1.64						241		104		31		

a Field determination.

b Laboratory analysis.

c Analyzed by California Department of Public Health, Division of Laboratories.

d Mineral analyses made by United States Geological Survey, Water Resources Division (USGS) or California Department of Water Resources (DWR) as indicated.

e Sum of calcium and magnesium in epm.

TABLE D-3

SUMMARY OF COLIFORM ANALYSES

Station	Station Number	Coliform MPN/ml Maximum	Median	Minimum
North Coastal Region (No. 1)				
Gualala River, South Fork, near Annapolis	9a	130	23.	0.62
Navarro River near Navarro	8b	620	23.	0.62
Noyo River near Fort Bragg	10c	230	62.	0.62
Russian River, East Fork, at Potter Valley Powerhouse	10a	230	23.	2.3
Russian River at Guerneville	10	7,000	146.	2.3
Russian River near Healdsburg	9	7,000	23.	6.2
Russian River near Hopland	8a	2,400	62.	6.2
San Francisco Bay Region (No. 2)				
Alameda Creek near Niles	73	620	23.	2.3
Coyote Creek near Madrone	82	7,000	23.	0.62
Los Gatos Creek near Los Gatos	74	2,400	42.5	1.3
Napa River near St. Helena	72	7,000	96.	6.2
Central Coastal Region (No. 3)				
Carmel River at Robles del Rio	83	62	13.	2.3
Nacimiento River near San Miguel	43b	620	13.	.23
Pajaro River near Chittenden	77	620	62.	2.3
Salinas River near Bradley	43c	620	16.5	0.23
Salinas River at Paso Robles	43a	2,400	90.	6.2
Salinas River near Spreckels	43	24,000	230.	23.
San Antonio River near Pleyto	43d	620	62.	2.3
San Benito River near Bear Valley Fire Station	77a	7,000	56.	2.4
San Lorenzo River at Big Trees near Felton	75	620	13.6	2.1
Soquel Creek at Soquel	76	7,000	56.	6.2
Uvas Creek near Morgan Hill	96	2,400	6.2	0.62

TABLE D-4

ANALYSIS OF TRACE ELEMENTS IN SURFACE WATER

Station	Station Number	Date	Constituents in parts per billion															
			Aluminum (Al)	Beryllium (Be)	Bismuth (Bi)	Cadmium (Cd)	Cobalt (Co)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Gallium (Ga)	Germanium (Ge)	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Lead (Pb)	Titanium (Ti)	Vanadium (V)	Zinc (Zn)
NORTH COASTAL REGION (No. 1)																		
RUSSIAN RIVER AT GUERNEVILLE	10	5-12-65	6.6	<0.57	<0.29	<1.4	<1.4	<1.4	≦1.4	64	<5.7	<0.29	<1.4	≦0.29	2.0	<1.4	≦0.57	1.7	<5.7
RUSSIAN RIVER AT GUERNEVILLE	10	9-15-65	15	<1.3	<0.67	<3.3	<3.3	<3.3	<3.3	15	<13	<0.67	<3.3	<0.67	2.6	11	1.5	3.7	<13
SAN FRANCISCO BAY REGION (No. 2)																		
ALAMEDA CREEK NEAR NILES	73	5-7-65	9.7	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	133	<5.7	<0.29	<1.4	1.9	1.6	<1.4	0.69	2.9	<5.7
ALAMEDA CREEK NEAR NILES	73	9-2-65	39	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	>50	<5.7	<0.29	<1.4	2.1	1.8	<1.4	2.3	6.9	<5.7
ARROYO DEL VALLE NEAR LIVERMORE	71	5-3-65	3.7	<0.57	<0.29	<1.4	≦1.4	<1.4	<1.4	27	<5.7	<0.29	<1.4	≦0.29	0.60	<1.4	<0.57	0.69	<5.7
ARROYO DEL VALLE NEAR LIVERMORE	71	9-6-65	6.9	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	11	<5.7	<0.29	<1.4	<0.29	1.2	<1.4	1.0	0.7	<5.7
COYOTE CREEK NEAR MADRONE	82	5-6-65	111	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	314	<5.7	<0.29	<1.4	≦0.29	3.7	<1.4	12	1.9	<5.7
COYOTE CREEK NEAR MADRONE	82	9-8-65	12	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	>50	<5.7	<0.29	<1.4	<0.29	5.4	<1.4	2.3	1.1	<5.7
NAPA RIVER NEAR ST. HELENA	72	5-12-65	15	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	89	<5.7	<0.29	<1.4	≦0.29	1.3	3.1	≦0.57	3.1	<5.7
NAPA RIVER NEAR ST. HELENA	72	9-16-65	4.6	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	1.1	<5.7	<0.29	4.3	<0.29	1.5	<1.4	<0.57	1.3	<5.7
CENTRAL COASTAL REGION (No. 3)																		
PAJARO RIVER NEAR CHITTENDEN	77	5-6-65	7.7	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	21	<5.7	<0.29	<1.4	1.9	3.4	<1.4	<0.57	3.7	<5.7
PAJARO RIVER NEAR CHITTENDEN	77	9-1-65	<1.4	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	22	<5.7	<0.29	<1.4	<0.29	6.3	<1.4	<0.57	11	<5.7
SALINAS RIVER NEAR SPRECKELS	43	5-6-65	7.7	<0.57	<0.29	<1.4	3.4	<1.4	8.9	50	<5.7	<0.29	>500	8.6	3.4	<1.4	0.57	2.5	<5.7
SALINAS RIVER NEAR SPRECKELS	43	9-1-65	4.0	<0.57	<0.29	<1.4	<1.4	<1.4	<1.4	7.7	<5.7	<0.29	5.1	7.4	2.9	<1.4	<0.57	0.8	<5.7

TABLE D-5

RADIOASSAY OF SURFACE WATERS

TABLE D-5

RADIOASSAY OF SURFACE WATERS

Sta. No.	Stream	Near	Date	Micro-micro curies per liter			
				Dissolved Alpha	Solid Alpha	Dissolved Beta	Solid Beta
	NORTH COASTAL REGION (NO. 1)						
8c	BIG RIVER NEAR MOUTH		5-13-65	0.28 ± 1.00	0.51 ± 0.79	-1.05 ± 9.78	0.24 ± 8.00
9a	GUALALA RIVER, SOUTH FORK	NEAR ANNAPOLIS	5-14-65	-0.49 ± 0.66	0.00	3.04 ± 10.76	1.29 ± 8.00
8b	NAVARRO RIVER NEAR NAVARRO		5-14-65	0.00	0.47 ± 0.89	-2.02 ± 10.59	0.87 ± 8.02
10c	NOYO RIVER NEAR FORT BRAGG		5-14-65	-0.10 ± 2.31	-0.28 ± 1.73	-4.34 ± 10.41	1.90 ± 8.41
10	RUSSIAN RIVER AT GUERNEVILLE		5-12-65	0.00	-0.39 ± 1.71	-3.95 ± 10.68	3.66 ± 8.02
9	RUSSIAN RIVER NEAR HEALDSBURG		5-12-65	0.17 ± 1.03	0.00	0.04 ± 10.10	30.12 ± 11.94
8a	RUSSIAN RIVER NEAR HOPLAND		5-12-65	-0.22 ± 0.60	0.00	-2.62 ± 11.75	2.08 ± 8.21
10a	RUSSIAN RIVER, EAST FORK AT	POTTER VALLEY POWERHOUSE	5-12-65	0.00	0.00	-6.26 ± 9.66	5.36 ± 8.40
	SAN FRANCISCO BAY REGION (NO. 2)						
73	ALAMEDA CREEK NEAR NILES		5-7-65	0.63 ± 3.22	0.39 ± 0.48	18.15 ± 12.55	0.29 ± 0.92
71	ARROYO DEL VALLE NEAR	LIVERMORE	5-3-65	0.60 ± 4.47	-0.28 ± 0.60	3.27 ± 12.53	9.48 ± 9.31
82	COYOTE CREEK NEAR MADRONE		5-6-65	-0.39 ± 0.41	-0.16 ± 0.60	4.19 ± 10.29	3.00 ± 8.51
74	LOS GATOS CREEK NEAR LOS GATOS		5-6-65	1.71 ± 1.79	-0.27 ± 0.59	-11.42 ± 10.22	11.11 ± 9.63
72	NAPA RIVER NEAR ST. HELENA		5-12-65	0.06 ± 0.95	0.24 ± 0.69	-6.55 ± 11.97	-1.21 ± 7.90

TABLE D-5

RADIOASSAY OF SURFACE WATERS

Sta. No.	Stream	Near	Date	Micro-micro curies per liter			
				Dissolved Alpha	Solid Alpha	Dissolved Beta	Solid Beta
	CENTRAL COASTAL REGION (NO. 3)						
83	CARMEL RIVER AT ROBLES DEL RIO		5-6-65	-0.19 ± 0.78	0.28 ± 0.55	15.23 ± 10.81	6.57 ± 9.22
43b	NACIMIENTO RIVER NEAR SAN MIGUEL		5-4-65	1.11 ± 2.13	1.06 ± 1.11	5.58 ± 12.57	-8.69 ± 8.25
77	PAJARO RIVER NEAR CHITTENDEN		5-6-65	1.00 ± 3.53	0.43 ± 0.79	-3.72 ± 13.12	7.54 ± 8.70
43c	SALINAS RIVER NEAR BRADLEY		5-4-65	2.07 ± 1.93	1.02 ± 1.12	-5.98 ± 11.02	0.87 ± 8.08
43a	SALINAS RIVER NEAR PASO ROBLES		5-4-65	0.26 ± 2.32	0.08 ± 0.70	0.08 ± 13.26	-4.91 ± 7.91
43	SALINAS RIVER NEAR SPRECKELS		5-6-65	-1.25 ± 3.89	1.14 ± 0.84	7.50 ± 15.90	-1.29 ± 8.08
77a	SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION		5-4-65	0.56 ± 3.31	1.13 ± 1.14	0.32 ± 13.01	6.42 ± 9.66
75	SAN LORENZO RIVER AT BIG TREES NEAR FELTON		5-7-65	2.03 ± 2.06	0.55 ± 1.12	-2.01 ± 11.13	17.08 ± 8.53
76	SOQUEL CREEK AT SOQUEL		5-6-65	0.37 ± 2.52	0.12 ± 0.81	21.85 ± 13.71	-0.44 ± 9.14
96	UVAS CREEK NEAR MORGAN HILL		5-6-65	0.13 ± 0.92	-0.47 ± 0.49	2.35 ± 10.21	0.00

TABLE D-6

DESCRIPTION OF SALINITY OBSERVATION STATION

1964-65 Water Year

STATION	Miles from Golden Gate (a)	Time Interval (b) Hours	Min	LOCATION
Crockett - San Pablo Bay	27.7	3	30	West end of Carquinez Strait, south shore, 0.2 mile east of Carquinez Bridge on wharf of C and H Sugar Refinery Corporation.
Martinez - Carquinez Strait	33.1	3	50	Sampled from Shell Oil Company dock, about 0.6 mile downstream from Southern Pacific Company railroad bridge.
Port Chicago - Suisun Bay	41.0	4	20	South shore of Suisun Bay at U. S. Naval ammunition loading wharf below Port Chicago.
Middle Point - Suisun Bay	41.5	4	30	South shore of Suisun Bay at Allied Chemical Plant intake, about 0.5 mile upstream from Middle Point.
Pittsburg - Suisun Bay	48.0	5	00	East end of Suisun Bay, south shore, at Pittsburg Yacht Harbor.
Collinsville - Sacramento River	50.8	5	25	Sacramento River, north bank at junction with San Joaquin River.

MAXIMUM OBSERVED SALINITY AT BAY AND DELTA STATIONS

In parts of chloride per million parts of water*

STATION	WATER YEAR											
	1931	1938	1939	1944 c	1952	1955	1956 d	1958	1959	1962	1964	1965
Sacramento-San Joaquin Delta System Unimpaired Runoff in Percent of Average e	35	191	50	63	171	64	178	169	67	132	63	150
Crockett					13200	16600	15300	11900	15000	13100	14600	12800
Martinez	16900	11600	16400		8900	11900	11900	7156	10200	11500	12900	11200
Port Chicago					6900	12500	9750	5830	13640	9200	10700	971
Middle Point											10100	9840
Pittsburg					1200	7800	3440	1200	5110	1350	3280	1300
Collinsville	12600	860	10400	4700	783	3880	2280	550	5430	1980	3730	2080

* Ocean water contains approximately 18,200 parts per million of chloride.

a Mileage measured to station along main channel. For stations off the main channel, the mileage shown is the same distance along the main channel to a point whereon the time of the occurrence of the tidal phase is the same as that of the observation station.
b Time interval between high tide at Golden Gate and time for taking samples at station.
c Releases of stored water from Shasta Lake commenced in 1944.
d Releases of stored water from Folsom Reservoir commenced in 1956.
e Average taken as mean annual unimpaired flow at foothill stations of major tributaries for 50-year period October 1910 through September 1960.

TABLE D-7

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

STATION	DATE							
	10-2-64	10-6-64	10-10-64	10-14-64	10-18-64	10-22-64	10-26-64	10-30-64
Crockett	10700	11400	10600	10000	11700		12400	10600
Martinez	a6850	a8330	a8690	a7820	8350			
Port Chicago	6090	5440	5130	4610		7650	7530	ae5190
Middle Point	a3850	4600	5170	3920	a9840	6430	6540	
Pittsburg			418	a354	d450		823	
Collinsville	a309	595	a314	a442	520	2080	a726	920

STATION	DATE							
	11-2-64	11-6-64	11-10-64	11-14-64	11-18-64	11-22-64	11-26-64	11-30-64
Crockett	11700	10200	10200	7040	10200	8560	9700	8320
Martinez				5630	7480	8140	7100	7480
Port Chicago	4890	5380	5120	a784	4510	3390	4370	4060
Middle Point				1190	3280	3920	3000	3240
Pittsburg			a413		65			d113
Collinsville	716	567	a600	28		a38	50	48

STATION	DATE							
	12-2-64	12-6-64	12-10-64	12-14-64	12-18-64	12-22-64	12-26-64	12-30-64
Crockett	9720	8100	8000	9300	11700	10700	23	
Martinez	8300	2840	a4090	ae5200	7600	8770	27	18
Port Chicago	5280	2740	ed3170	5290	6710	d6000	bd25	18
Middle Point	a2150	1130		4260	a3360	4870	8	a15
Pittsburg		113			ed319	394		
Collinsville	332	a24	35				4	4

STATION	DATE							
	1-2-65	1-6-65	1-10-65	1-14-65	1-18-65	1-22-65	1-26-65	1-30-65
Crockett	1060	74	42	2280		2080	2130	3160
Martinez		15	20	1320	1560	168	854	1830
Port Chicago		21	15	20		30	24	29
Middle Point	21	11		a21	21	26	23	18
Pittsburg	28	d24	21	fd21	d20	d23	ad24	25
Collinsville	9	a4	5	8	7	10	10	6

* Samples taken at four-day intervals approximately one and one-half hours after high high tide.
a Taken after Low High Tide.
b Taken on following day
c Taken two days later.
d Taken over one hour off scheduled time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-7

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

STATION	DATE							
	2-2-65	2-6-65	2-10-65	2-14-65	2-18-65	2-22-65	2-26-65	
Crockett	4060	2720	357[illegible]	5890	2790	4310	7310	
Martinez	1810	1830	ae210	a194	a2060	3800		
Port Chicago	27	26	485	792	38	619	d1230	
Middle Point		d22	19	84	26	26	a136	
Pittsburg		20	35	27		26		
Collinsville	[illegible]	8	9	11	a20	12	16	

STATION	DATE							
	3-2-65	3-6-65	3-10-65	3-14-65	3-18-65	3-22-65	3-26-65	3-30-65
Crockett	6250	5210	6360	7020	5670	6290	5920	7160
Martinez			4440	7410	4060	4920	ae4530	a4920
Port Chicago		a408	1280	df1580	246	1840	1880	1780
Middle Point	903	a68	1010	822	236	1580	1240	a1720
Pittsburg		d24	bd21	26		d26	25	bd38
Collinsville	14	12	16	14		25	20	17

STATION	DATE							
	4-2-65	4-6-65	4-10-65	4-14-65	4-18-65	4-22-65	4-26-65	4-30-65
Crockett	8480	7310	6170	3340	3610	1740	3460	4430
Martinez	a3820	a3240	3150	a2260	a574	260	a1440	544
Port Chicago	1970	1720	1230	57	29			
Middle Point		955	472	22	31	19	14	a11
Pittsburg			d23	a31		22	a13	a13
Collinsville	a14	15	20	a22	a7	[illegible]	a5	ad10

STATION	DATE							
	5-2-65	5-6-65	5-10-65	5-14-65	5-18-65	5-22-65	5-26-65	5-30-65
Crockett	385[illegible]	2880	5790	7170	4720	4910	6080	9050
Martinez		a632	a3390	5060	a2720	a3240		
Port Chicago		a19	1220	1940	1400		2790	
Middle Point	12	17	d51	1480		45		
Pittsburg			a12			a13		
Collinsville	7	11		a45	a14	a9		a10

* Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off scheduled time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-7

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

In parts of chloride per million parts of water

STATION	DATE							
	6-2-65	6-6-65	6-10-65	6-14-65	6-18-65	6-22-65	6-26-65	6-30-65
Crockett	7290	e7330	7220	7650	7000	d9210	9680	11300
Martinez	a5440		a3980	a3830	4810	e6950	3410	d10200
Port Chicago	3400	a1040			1650	e3370		d4840
Middle Point	3160	a521	744	1610	885	e2540		6160
Pittsburg	abd44	a41	a24		bd31	ad35	a95	a200
Collinsville	74	de20	a12	26	16	a21	a18	736

STATION	DATE							
	7-2-65	7-6-65	7-10-65	7-14-65	7-18-65	7-22-65	7-26-65	7-30-65
Crockett	9600	e10700	13000	10900	7890	e9660	12800	12800
Martinez	d8520	e9420	7930	a6780	7870	e9070	11200	9960
Port Chicago	5030	e4020		5460		e6490	9710	7520
Middle Point	4460	e3360	5410	5310	4170		3510	6770
Pittsburg		a434	a331			a437	a775	
Collinsville	469	a272	a279	a528	765	a344	a1080	1700

STATION	DATE							
	8-2-65	8-6-65	8-10-65	8-14-65	8-18-65	8-22-65	8-26-65	8-30-65
Crockett	12700	e12800	12400	11300	10900	e11600	1160[illegible]	12200
Martinez	11100	e11200	10200	10900			10[illegible]	10400
Port Chicago			a5270	a5100	6780	e7560	6[illegible]	5670
Middle Point		e7050	6460	6010				
Pittsburg	a1300	a1080	a817	a845	ad644	abd431		bd498
Collinsville	a1250	a919	a923	1050	a520		a36[illegible]	a688

STATION	DATE							
	9-2-65	9-6-65	9-10-65	9-14-65	9-18-65	9-22-65	9-26-65	9-30-65
Crockett	9970	111[illegible]	111[illegible]	907[illegible]	911[illegible]	[illegible]	[illegible]	8450
Martinez	8830	abd7540	a6660	6950	a5660		[illegible]	5270
Port Chicago								
Middle Point			d3380	[illegible]	[illegible]	a2[illegible]		
Pittsburg		abd331	a313		[illegible]	[illegible]	[illegible]	
Collinsville	a223	a29[illegible]	a28[illegible]	[illegible]		[illegible]		

[illegible]

TABLE D-8
NUTRIENTS IN SURFACE WATER

Station	Station Number	Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved Oxygen		Specific Conductance (micromhos at 25°C)	pH	Secchi Disk	Turbidity	Suspend'd Solids	Other Constituents and Remarks	Nutrients — ppm						
					ppm	%Sat	Field / Lab	Fld / Lab	(Feet)	Field / Lab	(ppm)		Nitrate (NO_3)	Ammonium (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO_4)	Total Phosphate (PO_4)	Total & Organic Phosphat (PO_4)
NORTH COASTAL REGION (No. 1)																				
RUSSIAN RIVER AT GUERNEVILLE	10	9-15-65 0830	275	68	10.8	118	270	8.0 / 7.9		10				0.00	0.01	0.1	0.0	0.31	0.39	0.62
SAN FRANCISCO BAY REGION (No. 2)																				
ALAMEDA CREEK NEAR NILES	73	7-14-65 0900	37	61	10.0	101	488	7.8 / 8.4		50				0.05	0.01	0.8	0.3	1.1	1.2	1.4
	73	9-2-65 1330	38	81	10.2	126	486	8.1 / 7.7		70				0.16	0.00	0.5	0.5	0.52	0.82	0.95
NAPA RIVER AT DUTTON'S LANDING	72a	9-15-65 1200	TIDAL AREA	58	6.4	62		8.4	2.5					0.00	0.06	0.1	0.0	0.12	0.20	0.38
CENTRAL COASTAL REGION (No. 3)																				
PAJARO RIVER NEAR CHITTENDEN	77	7-8-65 1000	5.0	65	9.6	101	1470	7.8 / 8.5		13				1.5	0.03	0.2	2.6	0.16	0.22	0.63
	77	9-1-65 1230	5.0	68	9.0	98	1380	8.0 / 8.0		20				0.03	0.02	0.1	0.9	0.65	0.68	0.85
SALINAS RIVER NEAR SPRECKELS	43	7-8-65 0400	2.5	55	4.8	45	1310	7.4 / 7.2		13				25	0.77	3.2	5.1	32	32	32
	43	9-1-65 0700	2.0	53	5.2	48	937	7.5 / 7.9		5				20	0.39	0.9	1.8	11	11	11
SAN LORENZO RIVER AT BIG TREES	75	7-6-65 0845	36	62	9.4	97	364	7.6 / 8.5		1				0.0	0.00	0.0	0.6	0.43	0.43	0.47
	75	9-7-65 1300	20	67	9.9	108	366	7.8 / 8.1		1				0.04	0.00	0.1	0.18	0.48	0.48	0.58
SANTA CRUZ PIER	120	7-6-65 0715		58	9.5			8.4	10					0.0	0.0	0.0	0.3	0.04	0.06	0.15
	120	9-7-65 0802		64	5.0			8.4						0.10	0.00	0.0	0.15	0.04	0.05	0.13

TABLE D-8
NUTRIENTS IN SURFACE WATER

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen		Specific Conductance (micromhos at 25°C)		pH	Secchi Disk	Turbidity		Suspend'd Solids	Other Constituents and Remarks	Nutrients ppm							
					ppm	%Sat	Field	Lab	Fld Lab	(Feet)	Field	Lab	(ppm)		Nitrate (NO_3)	Ammonium (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO_4)	Total Phosphate (PO_4)	Total & Organic Phosphat (PO_4)
SOUTH BAY AQUEDUCT																						
INTERIM INTAKE CANAL AT INTERIM PUMPING PLANT	309	2-11-65 0845		47	11.4	98	370		7.5	2.8	10				4.0	0.20	0.04	0.9	0.3	0.17	0.18	0.27
	309	2-25-65 0930		52	12.9	118	330		9.0	6.5					2.2	0.01	0.01	0.5	0.2	0.04	0.07	0.15
	309	3-11-65 1000		51	11.5	104	400		8.2	7.4					1.3	0.00	0.01	0.03	0.0	0.12	0.24	0.26
	309	3-25-65 0930		57	9.7	94	220		7.6	4.7					4.0	0.00	0.02	0.9	0.3	0.18	0.22	0.27
	309	4-8-65 0940		57	14.5	141	625		9.1	2.5					0.9	0.01	0.02	0.2	1.4	0.02	0.11	0.30
	309	4-22-65 1100		62	8.9	92	215		7.1	1.5					3.5	0.08	0.01	0.8	0.4	0.29	0.38	0.48
	309	5-6-65 1005		58	12.3	121	275		8.9	1.5					0.9	0.00	0.00	0.2	1.5	0.02	0.36	0.81
	309	5-20-65 0615		64	8.1	85	270		7.3	2.0					0.0	0.05	0.01	0.0	0.1	0.21	0.23	0.29
	309	6-3-65 0930		67	8.0	87	310		7.3	1.1					1.8	0.05	0.00	0.4	0.4	0.24	0.28	0.42
	309	6-16-65 1030		67	8.3	90	140		7.1	1.1					0.0	0.30	0.00	0.0	0.4	0.20	0.30	0.36
BETHANY FOREBAY NEAR BETHANY DAM	310	12-3-64 1010		53	9.5	88	580		6.6		216				3.5	0.21	0.02	0.8	0.2	0.25	0.26	0.36
	310	12-17-64 0945		51						6.7					2.2	0.08	0.02	0.5	0.1	0.26	0.26	0.26
	310	12-31-64 1015		52						4.0					3.5	0.00	0.02	0.8	0.1	0.24	0.24	0.29
	310	1-14-65 0955		49						4.5					1.8	0.09	0.01	0.4	0.2	0.27	0.24	0.27
	310	1-28-65 0953		50						3.5					5.3	0.09	0.02	1.2	0.4	0.22	0.22	0.27

TABLE D-8

NUTRIENTS IN SURFACE WATER

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen		Specific Conductance (micromhos at 25°C)	pH	Secchi Disk	Turbidity	Suspend'd Solids	Other Constituents and Remarks	Nutrients ppm						
					ppm	%Sat	Field / Lab	Fld / Lab	(Feet)	Field / Lab	(ppm)		Nitrate (NO_3)	Ammonium (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO_4)	Total Phosphate (PO_4)	Total & Organic Phosphat (PO_4)
SOUTH BAY AQUEDUCT																			
BETHANY FOREBAY AT MID-LENGTH	311	11-19-64 1045		51									3.5	0.24	0.02	0.8	0.4	0.22	0.22	0.25
BETHANY FOREBAY AT SOUTH BAY PUMPING PLANT	207	2-11-65 0915		49	11.1	98	575	7.8		20			4.0	0.01	0.01	0.9	0.5	0.21	0.22	0.28
	207	2-25-65 1015		52	10.9	100	580	8.0	1.0				6.2	0.03	0.01	1.4	0.2	0.36	0.45	0.62
	207	3-11-65 1030		56	10.2	98	600	8.1	0.3				3.5	0.12	0.02	0.8	0.4	0.26	0.28	0.38
	207	3-25-65 1015		56	10.7	103	530	8.1	2.0				7.1	0.05	0.00	1.6	0.2	0.16	0.20	0.23
	207	4-8-65 1015		56	10.3	99	545	8.0	2.4				2.7	0.01	0.01	0.6	1.0	0.17	0.19	0.22
	207	4-22-65 1150		60	10.4	105	515	8.1	2.3				6.6	0.10	0.01	1.5	0.2	0.17	0.18	0.23
	207	5-6-65 0945		57	10.1	98	530	8.3	2.1				2.7	0.03	0.00	0.6	0.7	0.12	0.14	0.25
	207	5-20-65 0650		62	9.1	94	365	7.6	2.0				1.3	0.08	0.01	0.3	0.2	0.18	0.22	0.27
	207	6-3-65 0955		64	8.8	92	342	7.5	1.5				0.4	0.03	0.00	0.1	0.4	0.23	0.26	0.36
	207	6-16-65 1105		67	8.9	97	230	7.3	1.5	30			0.9	0.04	0.01	0.2	0.2	0.22	0.26	0.30
	207	7-1-65 0930		67	8.8	96	320	7.5	1.2				0.0	0.02	0.01	0.0	0.3	0.23	0.26	0.35
	207	7-15-65 0950		72	7.9	91	355	7.5	1.1				0.9	0.2	0.02	0.2	0.6	0.28	0.32	0.60
	207	7-29-65 1005		71	7.9	90	355	7.6	1.0				0.9	0.17	0.00	0.2	0.3	0.25	0.28	0.36
	207	8-12-65 0955		74	6.8	80	360	7.5	1.4	22			1.3	0.15	0.01	0.3	0.4	0.25	0.28	0.36

TABLE D-8

NUTRIENTS IN SURFACE WATER

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp. in °F	Dissolved Oxygen		Specific Conductance (micromhos at 25°C)	pH	Secchi Disk	Turbidity	Suspend'd Solids	Other Constituents and Remarks	Nutrients ppm							
					ppm	%Sat	Field / Lab	Fld / Lab	(Feet)	Field / Lab	(ppm)		Nitrate (NO_3)	Ammonium (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO_4)	Total Phosphate (PO_4)	Total & Organic Phosphat (PO_4)
SOUTH BAY AQUEDUCT																				
BETHANY FOREBAY AT SOUTH BAY PUMPING PLANT (Cont.)	207	9-23-65 0845		66	7.4	80	565	7.5	1.6	20/25	16		1.8	0.15	0.02	0.4	0.4	0.28	0.30	0.33
LIVERMORE VALLEY CANAL AT PATTERSON CHECK	214	7-1-65 1045		68	9.0	100	310	7.5	0.9				1.3	0.01	0.01	0.3	0.5	0.24	0.28	0.40
	214	7-15-65 1105		74	9.3	110	325	7.5	1.0				1.8	0.04	0.01	0.4	0.4	0.26	0.29	0.33
	214	7-29-65 1110		72	9.5	110	320	7.6	1.0				0.9	0.02	0.00	0.2	0.3	0.27	0.30	0.39
	214	8-12-65 1100		75	9.4	111	315	7.6	1.0	32			0.0	0.01	0.01	0.0	0.4	0.24	0.25	0.42
	214	8-26-65 1135		76	9.4	113	370	7.3	1.2	13	28		0.9	0.06	0.01	0.2	0.4	0.26	0.28	0.42
	214	9-8-65 1050		70	9.7	110	470	7.7	1.4	42/25	44		4.0	0.13	0.01	0.9	0.46	0.26	0.29	0.42
	214	9-23-65 1040		68	9.5	106	580	7.6	1.7	22/25	14		2.2	0.04	0.02	0.5	0.4	0.27	0.27	0.32

TABLE D-9

PESTICIDES IN SURFACE WATERS AND SEDIMENTS

Station	Station Number	Date and time sampled PST	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field / Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
NORTH COASTAL REGION (NO. 1)							
RUSSIAN RIVER AT GUERNEVILLE	10	9-15-65 0830	275	270	8.0 7.9	BHC = 1	Lindane = 7
SAN FRANCISCO BAY REGION (NO. 2)							
ALAMEDA CREEK NEAR NILES	73	9-2-65 1330	38	486	8.1 7.7	Lindane = 1 ppDDE = 1 BHC = 2 Dieldrin = 3 ppDDD = 8	ppDDE = 20 ppDDD = 63
NAPA RIVER AT DUTTON'S LANDING	72a	9-15-65 1200				Lindane = 1 BHC = 2	ppDDE = 7 ppDDD = 30
CENTRAL COASTAL REGION (NO. 3)							
BLANCO DRAIN INTO SALINAS RIVER	246	1-11-65 1230		4,260	7.8 8.0	Dieldrin = 85 DDE = 25 ppDDT = 35	
PAJARO RIVER NEAR CHITTENDEN	77	9-1-65 1230	5.0	1,380	8.0 8.0	BHC = 2 ppDDE = 2 Dieldrin = 1 ppDDD = 7	ppDDD = 5
SALINAS RIVER MILE 3.50	262	1-11-65 1650		362	7.6 8.0	ppDDT = 10	
SALINAS RIVER NEAR SPRECKELS	43	9-1-65 0700	2.0	937	7.5 7.9	Lindane = 5 Dieldrin = 13 ppDDT = 18	ppDDE = 4 Dieldrin = 5 ppDDD = 9
SAN LORENZO RIVER AT BIG TREES	75	9-7-65 1000	20	3b6	7.8 8.1	Dieldrin = 1	No pesticide detected
SANTA CRUZ PIER	120	9-7-65 0802			8.4	ppDDD = 1	
SOUTH BAY AQUEDUCT							
BETHANY FOREBAY AT SOUTH BAY PUMPING PLANT	207	12-1-64 1000		571	8.1	BHC = 1	
	207	12-30-64 1645		580		BHC = 1	
	207	2-9-65 1815		569	9.3	No peaticide detected	
	207	3-2-65 1000		584	8.3	Aldrin = 2 Dieldrin = 3 ppDDT = 22	
	207	4-1-65 1630		554	8.3	ppDDD = 2	
	207	5-11-65 1000		474	8.1	Dieldrin = 2	
	207	6-1-65 1000		338	8.0	BHC = 1 Lindane = 1 Dieldrin = 1 ppDDD = 2	
	207	8-3-65 1345		359	8.0	Dieldrin = 3 ppDDD = 2	

Appendix E

GROUND WATER QUALITY

INTRODUCTION

Data presented in this appendix are measured values of selected quality characteristics of ground water samples collected in the Central Coastal Area during the period from July 1, 1964, through September 30, 1965. In subsequent reports, the period used will be the water year.

Plates 4 and 5 present the status of sea-water intrusion into the upper aquifer of the East Bay area of the Santa Clara Valley and two aquifers of the Salinas Valley, respectively. The lines depicting chloride concentrations in 1962, previously published in Bulletins 130-63 and 130-64, were adjusted for this report. The adjustments were made on the basis of additional controls available in 1965, and were made in order to more accurately depict the relative movement of chloride concentrations.

Methods and Procedures

Laboratory analyses were performed by the Department of Water Resources and the U. S. Geological Survey, all in accordance with "Standard Methods for the Examination of Water and Waste Water", 11th Edition, or with the U. S. Geological Survey Water Supply Paper 1454, "Methods for Collection and Analyses of Water Samples". The methods yield comparable accuracy.

Tabulated values for dissolved minerals are the analytical quantity reported in parts per million (ppm) and a computed value for equivalents per million (epm). Total dissolved solids reported were determined by gravimetric determination at 180°C. Values for temperature are those measured in the field at the time of sampling. Heavy metal concentrations were determined by "wet" analyses.

Coding

Wells and ground water basins are numbered in accordance with the system described in Appendix C. The data are presented in water pollution control board region, ground water basin and well number order.

EXPLANATION OF TABLES

Definitions of abbreviations used in this appendix and not given on the tables are as follows:

ABS	----	Alkyl benzene sulfonate
Al	----	Aluminum
As	----	Arsenic
C	----	Celsius (Centigrade)
Cr^{+6}	----	Hexavalent chromium
Cu	----	Copper
diss	----	dissolved
dom	----	domestic
DPH	----	Department of Public Health
DWR	----	Department of Water Resources
F	----	Fahrenheit
Fe	----	Iron
ind	----	industrial
irr	----	irrigation
Mn	----	Manganese
N.C.	----	Non-Carbonate
pH	----	The negative logarithm of the effective hydrogen ion concentration
ppm	----	parts per million
Se	----	Selenium
Temp	----	Temperature
USGS	----	U. S. Geological Survey
Zn	----	Zinc

Analyses of Ground Water

Table E-1 presents analyses of ground water in the same order as that for ground water level data in Appendix C.

Radioassays of Ground Water

Table E-2 presents the radioactivity of ground water samples collected from two wells in the Santa Clara Valley. The methods and procedures were the same as discussed under "Radioassays of Surface Water" in Appendix D.

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
						NORTH COASTAL REGION (No. 1)																	
						UKIAH VALLEY (1-15)																	
G. C. Gilley domestic	14N/12W-5K1	8-18-64		665	7.7	71 / 3.54	24 / 1.99	40 / 1.74	2.1 / 0.05	0 / 0.00	361 / 5.92	55 / 1.14	6.8 / 0.19	0.6 / 0.01		0.8			402	24	277	0	DWR
		9-22-65		646												0.8							DWR
L. Johnson domestic	14N/12W-11N1	8-8-64		314	7.2	19 / 0.95	22 / 1.77	9.2 / 0.40	1.0 / 0.02	0 / 0.00	135 / 2.21	17 / 0.35	6.0 / 0.17	22 / 0.35		0.6			184	13	136	25	DWR
		9-22-65		305	7.8	18 / 0.90	21 / 1.73	8.8 / 0.38		0 / 0.00	122 / 2.00		6.7 / 0.19			0.1				12	132	32	DWR
M. Mehtonen domestic	14N/12W-26K1	8-18-64		358	7.1	22 / 1.10	23 / 1.86	16 / 0.70	0.4 / 0.01	0 / 0.00	185 / 3.03	6.1 / 0.13	15 / 0.42	0.9 / 0.01		2.1			212	19	148	0	DWR
		9-29-65		350												2.4							
City of Ukiah municipal	15N/12W-16E1	8-18-64		243	7.0	22 / 1.10	12 / 0.96	8.4 / 0.36	1.1 / 0.03	0 / 0.00	125 / 2.05	6.6 / 0.14	7.0 / 0.20	1.0 / 0.02		0.2			137	15	103	1	DWR
		9-22-65		255	7.7	21 / 1.05	14 / 1.15	9.2 / 0.40					5.8 / 0.16			0.2					109	4	DWR
Regina Water Co. municipal	15N/12W-21H1	8-18-64		257	7.2	23 / 1.15	13 / 1.07	9.2 / 0.40	1.0 / 0.02	0 / 0.00	140 / 2.29	7.9 / 0.16	4.0 / 0.11	3.3 / 0.05		0.7			146	15	111	0	DWR
		9-22-65		265												0.6							DWR
D. Broggi domestic & irrigation	15N/12W-35D1	8-18-64		404	8.4	32 / 1.60	14 / 1.16	30 / 1.30	0.7 / 0.02	4 / 0.13	203 / 3.33	0.3 / 0.01	21 / 0.59	0.5 / 0.01		0.1			243	32	138	0	DWR
		9-22-65		402												0.1							DWR
F. Brown domestic	16N/12W-5D1	8-19-64		362	7.4	22 / 1.10	19 / 1.60	23 / 1.00	0.6 / 0.02	0 / 0.00	175 / 2.87	1.8 / 0.04	26 / 0.73	1.0 / 0.02		0.0			207	27	135	0	DWR
		9-20-65		376	8.1	21 / 1.05	20 / 1.64	23 / 1.00		0 / 0.00	176 / 2.88		25 / 0.70			0.0				27	136	0	DWR
F. Brown irrigation	16N/12W-5D2	8-19-64		335	7.2	16 / 0.80	17 / 1.42	28 / 1.22	0.8 / 0.02	0 / 0.00	180 / 2.95	0.6 / 0.01	16 / 0.45	1.0 / 0.02		0.0			184	35	111	0	DWR
		9-20-65		323									15 / 0.42			0.0							DWR
Pacific Gas & Electric Co. domestic & industrial	16N/12W-9Q1	8-19-64		417	7.7	26 / 1.30	18 / 1.46	38 / 1.65	1.0 / 0.02	0 / 0.00	244 / 4.00	5.4 / 0.11	7.0 / 0.20	0.9 / 0.01		0.0			246	37	138	0	DWR
		9-20-65		408												0.1							DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						UKIAH VALLEY (1-15) (Cont.)																	
J. E. Nelson domestic	17N/12W-18A1	8-19-64		1940	8.0	36 / 1.80	7.5 / 0.62	357 / 15.58	1.0 / 0.02	0 / 0.00	230 / 3.77	0.3 / 0.01	518 / 14.61	0.9 / 0.01		63			1280	86	121	0	DWR
H. Mathews domestic	17N/12W-28M1	8-19-64		207	6.9	15 / 0.75	9.4 / 0.77	9.4 / 0.41	0.4 / 0.01	0 / 0.00	80 / 1.31	11 / 0.23	6.5 / 0.18	11 / 0.18		0.0			140	21	76	10	DWR
		9-20-65		208	6.7	15 / 0.75	9.8 / 0.81	9.8 / 0.43		0 / 0.00	80 / 1.31		6.6 / 0.19			0.0				22	78	12	DWR
						SANEL VALLEY (1-16)																	
A. DeMarcantonio domestic	12N/11W-2F1	8-18-64		393	7.8	39 / 1.95	21 / 1.73	11 / 0.48	1.4 / 0.04	0 / 0.00	217 / 3.56	17 / 0.35	5.8 / 0.16	1.0 / 0.02		0.2			215	11	184	6	DWR
		9-29-65		386												0.3							DWR
E. F. Hawn irrigation	13N/11W-7D1	8-18-64		308	7.1	19 / 0.95	23 / 1.89	9.2 / 0.40	0.4 / 0.01	0 / 0.00	169 / 2.77	12 / 0.25	5.7 / 0.16	1.5 / 0.02		0.2			162	12	142	4	DWR
		9-29-65		400	8.0	24 / 1.20	30 / 2.47	11 / 0.48		0 / 0.00	215 / 3.52		6.6 / 0.19			0.2				12	182	6	DWR
J. H. Pomroy Co. irrigation	13N/11W-7L1	6-23-65	64	228	7.3	18 / 0.90	9.5 / 0.78	10 / 0.43	1.2 / 0.03	0 / 0.00	108 / 1.77	7.9 / 0.16	5.0 / 0.14	1.6 / 0.02		0.3			121	20	84	0	DWR
A. Damiano unused	13N/11W-18B2	6-23-65														1.1							DWR
A. Damiano irrigation	13N/11W-18B1	8-18-64		359	7.1	24 / 1.20	22 / 1.78	16 / 0.70	1.0 / 0.02	0 / 0.00	187 / 3.06	12 / 0.25	10 / 0.28	3.4 / 0.05		2.4			193	19	149	0	DWR
		9-29-65		351									8.7 / 0.24	6.6 / 0.11		2.2							DWR
J. H. Pomroy Co. domestic	13N/11W-18D2	6-23-65	68													0.8							DWR
J. H. Pomroy Co. irrigation	13N/11W-18D1	8-18-64		220	7.1	19 / 0.95	10 / 0.87	12 / 0.52	1.1 / 0.03	0 / 0.00	117 / 1.92	10 / 0.21	6.0 / 0.17	2.1 / 0.03		0.6			124	22	91	0	DWR
		6-23-65	62													1.0							DWR
		9-29-65		205												0.4							DWR
I. J. Milovina domestic	13N/11W-18E2	6-23-65	71													1.2							DWR
A. Damiano domestic	13N/11W-18E1	6-23-65	65													2.8							DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANEL VALLEY (1-16) (Cont.)																	
I. J. Milovina irrigation	13N/11W-18J1	6-23-65	61	267	7.2	21 / 1.05	13 / 1.11	8.2 / 0.36	1.2 / 0.03	0 / 0.00	118 / 1.94	9.9 / 0.21	5.0 / 0.14	8.6 / 0.14		0.6			142	14	108	11	DWR
J. Rongo gardening	13N/11W-19C2	6-23-65														1.6							DWR
J. I. Haas domestic	13N/11W-19H1	6-22-65	64	302	7.0	26 / 1.30	15 / 1.22	10 / 0.43	1.3 / 0.03	0 / 0.00	144 / 2.36	13 / 0.27	5.5 / 0.16	3.2 / 0.05		0.3			164	14	126	8	DWR
Hopland Public Utility District municipal	13N/11W-19N1	8-18-64		336	7.5	28 / 1.40	20 / 1.68	9.0 / 0.39	0.8 / 0.02	0 / 0.00	163 / 2.67	26 / 0.54	7.9 / 0.22	1.6 / 0.02		0.3			185	11	154	20	DWR
		9-30-65		309												0.3							DWR
C. Ashurst	13N/11W-19P1	6-23-65	63	284	7.2	18 / 0.90	20 / 1.66	5.7 / 0.25	0.8 / 0.02	0 / 0.00	141 / 2.31	9.7 / 0.20	4.4 / 0.12	5.2 / 0.08		0.0			163	9	128	14	DWR
Grace Ranch irrigation, domestic and stock	13N/11W-30H1	8-18-64		357	7.1	28 / 1.40	23 / 1.86	11 / 0.48	1.2 / 0.03	0 / 0.00	182 / 2.98	19 / 0.40	8.5 / 0.24	4.6 / 0.07		0.2			196	13	163	14	DWR
		9-29-65		391	6.9	29 / 1.45	24 / 1.97	10 / 0.44		0 / 0.00	183 / 3.00		7.6 / 0.21			0.2				11	171	21	DWR
						ALEXANDER VALLEY (1-17)																	
Redwood Hereford Ranch irrigation & domestic	9N/8W-7Q1	9-23-64		583	7.6	2.6 / 0.13	1.3 / 0.11	132 / 5.74	5.4 / 0.14	0 / 0.00	306 / 5.02	1.0 / 0.02	36 / 1.02	0.3 / 0.00		0.3		Fe: 0.02 (Dis.)	425	94	12	0	USGS
		8-3-65		570				135 / 5.87							0.9 / 0.05	0.4							DWR
H. B. Remmel irrigation	10N/9W-18R1	9-23-64		292	8.5	34 / 1.70	14 / 1.12	8.5 / 0.37	1.2 / 0.03	8 / 0.27	150 / 2.46	13 / 0.27	4.5 / 0.13	0.2 / 0.00		0.4		Fe: 0.02 (Dis.)	154	11	141	5	USGS
W. D. Dana irrigation	10N/9W-26L1	9-23-64		527	8.5	22 / 1.10	53 / 4.38	11 / 0.48	0.4 / 0.01	16 / 0.53	275 / 4.51	16 / 0.33	7.0 / 0.20	13 / 0.21		0.5		Fe: 0.01 (Dis.)	325	8	274	0	USGS
		8-3-65		563	8.7	29 / 1.45	52 / 4.26	13 / 0.56		14 / 0.47	284 / 4.65		8.6 / 0.24			0.1					286	29	DWR
Italian Swiss Colony irrigation & domestic	11N/10W-28N1	9-23-64		305	7.7	28 / 1.40	18 / 1.48	8.5 / 0.37	0.9 / 0.02	0 / 0.00	180 / 2.95	1.0 / 0.02	4.2 / 0.12	0.3 / 0.00		0.4		Fe: 0.02 (Dis.)	194	11	144	0	USGS
		8-3-65		277												0.4							DWR
C. Pellegrini domestic	11N/10W-33G1	9-23-64		194	6.6	11 / 0.55	6.0 / 0.49	14 / 0.61	0.7 / 0.02	0 / 0.00	55 / 0.90	1.0 / 0.02	17 / 0.48	14 / 0.23		0.1		Fe: 0.01 (Dis.)	130	37	52	7	USGS
		8-3-65		192	7.0	11 / 0.55	7.4 / 0.61	16 / 0.70		0 / 0.00	54 / 0.88		17 / 0.48			0.0					58	14	DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluorides (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N C ppm	Analyzed by
								SANTA ROSA VALLEY (1-18)															
J. H. Wilson domestic & stock	6N/7W-18R1	9-22-64		678	8.7	34 / 1.70	40 / 3.26	52 / 2.26	1.3 / 0.03	37 / 1.23	244 / 4.00	28 / 0.58	47 / 1.33	13 / 0.21		0.2		Fe: 0.01 (Dis.)	441	31	248	0	USGS
		8-5-65		770				57 / 2.48					50 / 1.41	26 / 0.42									DWR
G. Mallory domestic	6N/8W-3B1	9-23-64		422	8.3	0.0 / 0.00	39 / 3.20	18 / 0.78	1.4 / 0.04	4 / 0.13	128 / 2.10	8.0 / 0.17	44 / 1.24	21 / 0.34		0.1		Fe: 0.03 (Dis.)	302	19	160	48	USGS
		8-4-65		458				21 / 0.91					47 / 1.32	30 / 0.48									DWR
Cotati Public Utility District municipal	6N/8W-35A2	9-22-64		327	8.3	15 / 0.75	8.4 / 0.69	33 / 1.44	1.8 / 0.05	0 / 0.00	109 / 1.79	5.4 / 0.11	38 / 1.07	0.8 / 0.01		0.0			232	44	72	0	DWR
City of Sebastopol Water Department municipal	6N/9W-2C1	9-24-64		336	8.5	14 / 0.70	24 / 1.98	17 / 0.74	1.0 / 0.03	8 / 0.27	149 / 2.44	16 / 0.33	12 / 0.34	3.1 / 0.05		0.0		Fe: 0.01 (Dis.)	236	21	134	0	USGS
Kenwood Fire Dept. domestic & municipal	7N/6W-29P1	9-24-64		225	8.4	15 / 0.75	12 / 0.97	15 / 0.65	1.9 / 0.05	2 / 0.07	133 / 2.18	0.5 / 0.01	5.8 / 0.16	0.2 / 0.00		0.0			189	27	89	0	DWR
		8-4-65		226																			DWR
O. S. Moore irrigation & domestic	7N/7W-15C1	9-24-64		250	8.4	12 / 0.60	12 / 1.00	22 / 0.96	4.1 / 0.10	5 / 0.17	138 / 2.26	0.0 / 0.00	4.5 / 0.13	0.8 / 0.01		0.0		Fe: 0.07 (Dis.)	205	39	80	0	USGS
		8-4-65		250	8.4	14 / 0.70	11 / 0.90	22 / 0.96		3 / 0.10	142 / 2.33		4.6 / 0.13			0.0					80		DWR
E. F. Bethards irrigation	7N/7W-29D1	8-4-65		525	8.5	31 / 1.55	20 / 1.69	48 / 2.09		6 / 0.20	283 / 4.64		20 / 0.56			0.5					162	0	DWR
W. E. Samuelson domestic	7N/8W-3L1	8-4-65		506											0.3 / 0.02								DWR
C. Bordessa domestic	7N/8W-5G1	9-24-64		479	8.4	32 / 1.60	21 / 1.74	28 / 1.22	5.3 / 0.14	5 / 0.17	139 / 2.28	5.0 / 0.10	49 / 1.38	36 / 0.58		0.0		Fe: 0.05 (Dis.)	366	26	167	45	USGS
		8-4-65		503	8.0	24 / 1.20	25 / 2.06	28 / 1.22		0 / 0.00	150 / 2.46		47 / 1.32			0.0				27	154	40	DWR
H. Rasmussen irrigation	7N/8W-18Q1	9-24-64		584	7.4	0 / 0.00	28 / 2.28	90 / 3.92	2.4 / 0.06	0 / 0.00	346 / 5.67	1.0 / 0.02	18 / 0.51	1.8 / 0.03		0.3		Fe: 0.08 (Dis.)	366	63	114	0	USGS
		8-4-65		574				96 / 4.18								0.3							DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
						SANTA ROSA VALLEY (1-18) (Cont.)																	
C. Datti irrigation & stock	7N/8W-30P1	9-23-64		790	8.6	50 2.50	41 3.38	45 1.96	1.5 0.04	24 0.80	152 2.49	60 1.25	96 2.71	31 0.50		0.1		Fe: 0.02 (Dis.)	560	25	294	130	USGS
		8-4-65		1020				61 2.65					124 3.50	106 1.71		0.1							DWR
A. Marx domestic & irrigation	7N/8W-33M1	9-24-64		351	8.6	0.0 0.00	27 2.18	36 1.57	1.6 0.04	14 0.47	175 2.87	1.0 0.02	14 0.39	0.8 0.01		0.0		Fe: 0.02 (Dis.)	252	41	109	109	USGS
		8-4-65		378	7.3	21 1.05	14 1.15	36 1.57		0 0.00	198 3.24		16 0.45			0.1				42	110	0	DWR
C. W. Gilbert domestic	7N/9W-9F1	9-24-64		156	7.8	8.8 0.44	4.4 0.36	13 0.57	1.2 0.03	0 0.00	58 0.95	7.0 0.15	11 0.31	0.5 0.01		0.0		Fe: 1.26 (Dis.)	151	41	40	0	USGS
		8-4-65		158	8.0	10 0.50	4.4 0.36	15 0.65		0 0.00	58 0.95		12 0.34			0.0				43	43	0	DWR
Sebastopol Meat Co. industrial & irr.	7N/9W-36M1	8-4-65		392																			DWR
H. A. Faught irrigation	8N/8W-20Q1	8-3-65		545	8.4	23 1.15	23 1.91	52 2.26		3 0.10	248 4.06		31 0.87			0.2					153	0	DWR
Redwood Ranch, Inc. irrigation	8N/9W-23D1	9-24-64		240	8.2	16 0.80	8.5 0.70	16 0.70	2.6 0.07	0 0.00	93 1.52	5.0 0.10	21 0.59	3.2 0.05		0.0		Fe: 0.01 (Dis.)	202	31	75	0	USGS

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
SAN FRANCISCO BAY REGION (No. 2)																							
PETALUMA VALLEY (2-1.00)																							
H. Clokie domestic & stock	3N/6W-10Q1	3-65		1200	8.2	32 / 1.58	31 / 2.56	232 / 10.10	5 / 0.13	0 / 0.00	592 / 9.69	5 / 0.10	150 / 4.22	5 / 0.11	0.1 / 0.01	0.3					20	0	DWR
O. White domestic & irrigation	3N/6W-30C1	3-65		11000	7.8	361 / 18.00	535 / 44.00	1660 / 72.00	50 / 1.28	0 / 0.00	829 / 13.58	40 / 0.85	4241 / 119.60	0 / 0.00	0.2 / 0.01	0.4			760		3100	2421	DWR
S. K. Herzog Co. domestic & stock	3N/6W-11B1	3-65		1900	7.9	38 / 1.90	41 / 3.42	340 / 14.80	3.7 / 0.09	0 / 0.00	590 / 9.66	3 / 0.07	364 / 10.25	11 / 0.18	0.1 / 0.01	0				73	260	0	DWR
C. Strozzi stock	3N/6W-15M1	8-5-65		184									18 / 0.51						122				DWR
Rupprecht dom., irr., & stock	3N/6W-18M1	9-22-64		651									54 / 1.52										DWR
		8-5-65		615									50 / 1.41										DWR
K. Johnson domestic	3N/7W-14F1	9-22-64		674									70 / 1.97										DWR
		8-5-65		629									70 / 1.97						368				DWR
Lopes domestic	4N/6W-7H1	9-64		1130									44 / 1.24										DWR
		3-65		1110	7.9	69 / 3.44	74 / 6.13	90 / 3.90	0.4 / 0.01	0 / 0.00	639 / 10.48	35 / 0.72	53 / 1.51	33 / 0.53	0.2 / 0.01	2.0				29	478	0	DWR
Lopes irrigation	4N/6W-7H2	9-64		4020									886 / 24.99										DWR
		3-65		3750	8.2	80 / 4.00	44 / 3.60	760 / 33.05	5 / 0.13	0 / 0.00	505 / 8.28	240 / 4.99	975 / 27.50	0 / 0.00	0.4 / 0.02	2.0			2384	81	380	0	DWR
L. A. Bourke domestic & stock	4N/6W-21Q1	9-64		1120									152 / 4.29										DWR
		3-65		1160	8.1	21 / 1.05	11 / 0.94	225 / 9.80	1 / 0.03	0 / 0.00	394 / 6.47	25 / 0.53	166 / 4.67	0 / 0.00	0.1 / 0.01	1.0				83	100	0	DWR
S. K. Herzog Co. stock	4N/6W-27R1	9-64		584									34 / 0.96										DWR
		3-65		1120	8.4	40 / 1.98	26 / 2.14	180 / 7.83	2.2 / 0.06	5.4 / 0.18	428 / 7.01	15 / 0.32	163 / 4.59	1 / 0.02	0.2 / 0.01	0.8					204	0	DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million (equivalents per million)											Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Analyzed by
						Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)				Total ppm	N.C. ppm	
PETALUMA VALLEY (2-1.00) (Cont.)																						
O. White irrigation & stock	4N/6W-33R1	3-65		8300	7.7	319 15.90	438 36.00	1140 49.57	21 0.54	0 0.00	531 8.70	8 0.17	3347 94.40	3 0.05	0.1 0.01	0.2			6460	49	2595	2160	DWR
Union Oil Co. industrial	4N/7W-2D1	9-2-64		23900									9550 269.40									DWR
		3-65		21000	7.4	369 18.40	1920 158.00	3010 131.00	40 1.02	0 0.00	113 1.85	1066 22.20	10014 282.40	0 0.00	0.1 0.01	0.8			19760		8820	8728	DWR
G. Myles domestic & stock	5N/6W-30D1	9-2-64		1510									176 4.96									DWR
		3-65		1450	8.3	109 5.44	50 4.06	137 5.95	2.3 0.06	7.2 0.24	439 7.20	157 3.27	167 4.70	0 0.00	0.2 0.01	0.3					475	103	DWR
N. J. Matzen domestic	5N/7W-8D3	9-2-64		902									141 3.98									DWR
Al's Barber Shop domestic	5N/7W-20L3	9-2-64		1620									310 8.74									DWR
		3-65		1550	7.8	166 8.28	32 2.58	115 5.00	2 0.05	0 0.00	228 3.74	44 0.92	345 9.73	81 1.31	0.2 0.01	0.0					543	356	DWR
H. E. Clerk dom., irr., & stock	5N/7W-34E2	9-2-64		867									66 1.86									DWR
		3-65		820	8.7	8 0.38	4 0.32	210 9.13	1.5 0.04	25.8 0.86	388 6.37	17 0.37	75 2.13	1 0.02	0.2 0.01	0.1					35	0	DWR
R. H. Sartori irrigation	5N/7W-35K1	9-64		559	8.2	27 1.35	34 2.79	36 1.57	3.3 0.08	0 0.00	236 3.87	20 0.42	43 1.21	12 0.19		0.1		Fe: 0.03 (Dis.)	373	27	207	13	USGS
		3-65		660	7.9	58 2.89	32 2.63	41 1.80	3 0.08	0 0.00	304 4.98	32 0.67	57 1.59	16 0.26	0.1 0.01	0.0					276	27	DWR
NAPA VALLEY (2-2.01)																						
E. P. Nunn domestic	3N/3W-18G1	9-22-64		1170				91 3.96					148 4.18	14 0.22		0.2						DWR
		8-5-65		1110				91 3.96					144 4.06	12 0.19		0.2						DWR
D. L. Pickens domestic	3N/3W-18G2	9-22-64		1380				103 4.48					158 4.46	50 0.81		0.1						DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
								NAPA VALLEY (2-2.01) (Cont.)															
Napa County Airport domestic	4N/4W-2L1	9-25-64		803				57 2.48					95 2.68			0..							DWR
		8-5-65		1810				59 2.57					93 2.62			0..							DWR
N. Rhodes domestic	4N/4W-5C1	9-25-64		313				43 1.87					27 0.76			0.1							DWR
		8-5-65		268				38 1.65					26 0.73			0.0							DWR
T. Raven domestic	4N/4W-5D2	9-25-64		752									87 2.45										DWR
		8-5-65		711									91 2.57										DWR
Press Wireless domestic	4N/4W-7A1	9-25-64		721				82 3.57					146 4.12			0.1							DWR
		8-5-65		773				70 3.04					137 3.86			0.1							DWR
P. Rogers domestic & stock	4N/4W-12M1	9-25-64		799				68 2.96					92 2.60			0.1							DWR
		8-5-65		840				74 3.22					101 2.85			0.1							DWR
G. Lawrence domestic & stock	4N/4W-13E1	8-5-65		2270				220 9.57					392 11.06			0.2							DWR
V. Bassham domestic	4N/4W-14C2	9-25-64		1570				142 6.18					327 9.22			0.1							DWR
		8-5-65		1570				148 6.44					318 8.97			0.1							DWR
M. L. George domestic	5N/4W-9Q2	9-25-64		512				60 2.61					41 1.16			0.1							DWR
		8-5-65		521				60 2.61					40 1.13			0.0							DWR
Silverado Motel domestic	5N/4W-11F3	9-25-64		714	8.1			120 5.22		0 0.00	227 3.72		109 3.07			2.3							DWR
		8-5-65		728				120 5.22					134 3.78			2.3							DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million (equivalents per million)												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Analyzed by
						Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents			Total ppm	NC ppm	
								NAPA VALLEY (2-2.01) (Cont.)															
P. A. Gesser domestic & dairy	5N/4W-14C1	9-25-64		247				18 / 0.78					18 / 0.51			0.1						DWR
		8-5-65		238				18 / 0.78					14 / 0.39			0.1						DWR
W. Bohen domestic & irrigation	5N/4W-15E1	9-25-64		456	8.4			48 / 2.09		3 / 0.10	193 / 3.16		45 / 1.27			0.1				121		DWR
		8-5-65		428				46 / 2.00					33 / 0.93			0.1						DWR
F. D. Looney domestic	5N/4W-20R2	9-25-64		1080									188 / 5.30									DWR
		8-5-65		804									141 / 3.98									DWR
J. G. Carr domestic	5N/4W-21P2	9-25-64		2190				422 / 18.36					417 / 11.76			0.5						DWR
		8-5-65		2630				462 / 20.10					610 / 17.21			0.4						DWR
Stewart's Dairy stock	5N/4W-22M1	8-5-65		738				105 / 4.57					51 / 1.44			0.7						DWR
Adams & Forbes industrial	5N/4W-26B1	9-25-64		362									18 / 0.51									DWR
J. Flanagan domestic	5N/4W-29H1	9-25-64		442									34 / 0.96			0.1						DWR
		8-5-65		419				31 / 1.35					32 / 0.90	17 / 0.27		0.0						DWR
C. L. Berber irrigation	6N/4W-6P1	9-24-64		393									11 / 0.31			0.2						DWR
		8-5-65		364									11 / 0.31			0.1						DWR
A. R. Johnston domestic & stock	6N/4W-15Q1	9-24-64		249				36 / 1.57					7.4 / 0.21			0.2						DWR
		8-5-65		395				72 / 3.13					12 / 0.34			0.4						DWR
A. Fagiani domestic	7N/4W-30L1	9-24-64		102				5.7 / 0.25					8.5 / 0.24			0.0						DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
								NAPA VALLEY (2-2.01) (Cont.)															
W. Wheeler domestic & stock	7N/5W-5A6	8-5-65		690				28 / 1.22					44 / 1.24			0.4							DWR
J. Alcoutte domestic & stock	9N/6W-31Q1	8-5-65		128				8.7 / 0.38					4.4 / 0.12			0.0							DWR
R. Archerd domestic	9N/7W-25N1	8-5-65		880				157 / 6.83					180 / 5.08			18							DWR
								SONOMA VALLEY (2-2.02)															
U. S. Navy municipal	4N/5W-14D2	8-30-64		974									119 / 3.36			0.8							DWR
		3-65		940	8.2	12 / 0.60	7 / 0.58	196 / 8.43	3.7 / 0.09	0 / 0.00	299 / 4.90	48 / 1.00	129 / 3.63	0 / 0.00	0.2 / 0.01	0.2				87	59	0	DWR
J. Firmingnac domestic	5N/5W-18D2	8-30-64		455									25 / 0.70	0.6 / 0.01		0.2							DWR
		3-65		420	8.1	17 / 0.84	12 / 1.02	61 / 2.65	2 / 0.05	0 / 0.00	218 / 3.56	6 / 0.13	28 / 0.81	0 / 0.00	0.4 / 0.02	0.9				58	93	0	DWR
L. Miglioretti domestic	5N/5W-20R1	3-65		820	8.6	9 / 0.46	2 / 0.20	194 / 8.34	1.5 / 0.04	8.4 / 0.28	419 / 6.87	10 / 0.20	57 / 1.60	0 / 0.00	0.2 / 0.01	4.8				92	33	0	DWR
E. L. Smith domestic & stock	5N/6W-12F1	8-30-64		432									23 / 0.65			1.2							DWR
		3-65		390	8.1	17 / 0.85	13 / 1.10	51 / 2.20	1.5 / 0.04	0 / 0.00	205 / 3.37	5 / 0.11	26 / 0.72	0 / 0.00	0.2 / 0.01	0.8				53	97	0	DWR
M. Kiser irrigation	5N/6W-24K1	8-30-64		366									30 / 0.85			0.0							DWR
		3-65		380	8.0	31 / 1.54	17 / 1.44	22 / 0.95	1.4 / 0.04	0 / 0.00	140 / 2.29	8 / 0.16	42 / 1.17	16 / 0.26	0.2 / 0.01	0.0				24	149	34	DWR
Connolly domestic	5N/6W-25P1	8-30-64		517									68 / 1.92			0.1							DWR
		3-65		600	8.7	12 / 0.59	10 / 0.78	118 / 5.13	1 / 0.03	16.8 / 0.56	316 / 5.18	9 / 0.18	17 / 0.47	1 / 0.02	0.2 / 0.01	1.4				78	68	0	DWR
N. Tarvid domestic	6N/6W-23M2	9-30-64		509									77 / 2.17			1.2							DWR
		3-65		480	7.9	15 / 0.76	5 / 0.40	79 / 3.43	16 / 0.42	0 / 0.00	157 / 2.58	5 / 0.10	78 / 2.19	0 / 0.00	0.6 / 0.03	1.4				69	58	0	DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million							equivalents per million					Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Analyzed by
						Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents			Total ppm	NC ppm	
									SONOMA VALLEY (2-2.02) (Cont.)													
D. Stamos domestic	6N/6W-26E1	3-65		420	8.2	5 / 0.24	1 / 0.10	83 / 3.60	8 / 0.21	0 / 0.00	147 / 2.42	5 / 0.10	55 / 1.54	0 / 0.00	1.0 / 0.05	1.4				87	17	0	DWR
									SUISUN-FAIRFIELD VALLEY (2-3.00)													
Taylor domestic	3N/1E-4B1	9-24-64		1440									238 / 6.71			0.7						DWR
		9-21-65		1430									246 / 6.94			0.7						DWR
McDougal Livestock Co. stock	3N/1E-21D1	9-24-64		1800									181 / 5.11			7.8						DWR
		9-21-65		1800									173 / 4.88			7.5						DWR
McDougal Livestock Co. domestic	3N/1E-22F2	9-24-64		1960									313 / 8.83			3.7						DWR
		9-21-65		1750	8.8	32 / 1.60	29 / 2.39	338 / 14.70		36 / 1.20	426 / 6.98		262 / 7.39			3.8			79	198	0	DWR
McDougal Livestock Co. irrigation & stock	3N/1E-22F3	9-21-65		1480									272 / 7.67			1.3						DWR
G. Stewart domestic	4N/1E-8F1	9-24-64		1010									152 / 4.29			0.7						DWR
		9-21-65		994	7.9	46 / 2.30	24 / 2.00	125 / 5.44		0 / 0.00	237 / 3.88		150 / 4.23			0.7			50	215	21	DWR
Fish & Game Commission domestic	4N/1W-33A1	9-24-64		3040									810 / 22.85			18						DWR
		9-21-65		3650									827 / 23.33			16						DWR
Beatty domestic	4N/2W-4D1	9-24-64		1280									70 / 1.97			1.3						DWR
		9-22-65		1380									63 / 1.78			1.2						DWR
Southern Pacific RR domestic	4N/2W-9G1	9-24-64		373									38 / 1.07			0.5						DWR
		9-22-65		358									37 / 1.04			0.4						DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Analyzed by
				SUISUN-FAIRFIELD VALLEY (2-3.00) (Cont.)																			
F. Chadbourne stock	4N/2W-9H1	9-24-64		3510									948 26.74			4.8							DWR
		9-22-65		3510									930 26.40			5..							DWR
E. L. Smith domestic	4N/2W-18H1	9-24-64		1140									133 3.75			0..							DWR
		9-22-65		1130									97 2.74			0..							DWR
D. R. Mangels irrigation	4N/3W-13C2	9-24-64		1030									74 2.09			0.7							DWR
		9-22-65		1070	7.8	96 4.79	33 2.74	105 4.57		0 0.00	403 6.60		75 2.12			0..			38	5	4..		DWR
M. Petersen domestic	5N/1W-25R1	9-21-65		1480	8.5	96 4.79	28 2.34	163 7.09		8 0.27	230 3.77		334 9.42			0..			80	95	155		DWR
M. Peterson domestic	5N/1W-28P1	9-24-64		889									118 3.33			0.4							DWR
		9-21-65		928	8.6	76 3.79	26 2.14	86 3.74		18 0.60	262 4.29		134 3.78			0.3			39	297	52		DWR
P. Dodini domestic	5N/2W-21P3	9-24-64		1030									55 1.55			1.2							DWR
		9-21-65		975									52 1.47			1.3							DWR
H. T. Beck domestic	5N/2W-27J4	9-24-64		698									46 1.30			1.0							DWR
		9-22-65		882	8.5	72 3.59	39 3.20	80 3.48		12 0.40	448 7.34		40 1.13			1.0			34	340	0		DWR
C. M. Ballard domestic	5N/2W-34R1	9-24-64		1800									132 3.72			2.0							DWR
		9-22-65		1770									87 2.45			2.1							DWR
L. Sing domestic	5N/2W-34P4	9-24-64		1190									37 1.04			1.2							DWR
		9-22-65		1110									26 0.73			1.5							DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
										CLAYTON VALLEY (250.00)													
G. Carlette domestic & irrigation	1N/1W-4A1	7-20-64		627	8.1	105 5.24	3.8 0.31	29 1.26	0.7 0.02	0 0.00	284 4.65	54 1.12	25 0.70	10 0.16		0.4			357	18	278	45	DWR
		9-23-65		597	8.2	47 2.34	36 2.97	30 1.30		0 0.00	272 4.46		26 0.73			0.3				20	266	43	DWR
S.H. Lowell Foundation	1N/1W-4R1	7-20-64		1170	8.2	105 5.24	32 2.63	91 3.96	0.7 0.02	0 0.00	295 4.84	52 1.08	175 4.94	46 0.74		0.3			708	33	396	154	DWR
		9-23-65		1310									207 5.70	36 0.58									DWR
F. Baker domestic	2N/1W-30J1	7-20-64		1020	8.2	167 8.33	6.3 0.52	56 2.44	0.7 0.02	0 0.00	434 7.11	102 2.12	49 1.38	27 0.44		0.4			617	22	443	187	DWR
		9-23-65		968	8.2	81 4.04	56 4.59	64 2.78		0 0.00	404 6.62		51 1.44			0.4				24	432	101	DWR
J. Djabrow gardening	2N/1W-30K1	9-23-65		1360									88 2.48			1.0							DWR
L. Derville domestic	2N/1W-31D1	7-20-64		1080	8.1	128 6.39	39 3.20	46 2.00	0.5 0.01	0 0.00	362 5.93	76 1.58	110 3.10	75 1.23		0.3			648	17	480	183	DWR
		9-23-65		1060									102 2.88	42 0.68									DWR
R. B. Ogilvie domestic	2N/2W-14P1	7-20-64		828	7.8	35 1.75	24 2.01	98 4.26	1.6 0.04	0 0.00	219 3.59	44 0.92	112 3.16	12 0.19		0.4			468	53	188	8	DWR
		9-23-65		867	8.3	36 1.80	29 2.38	100 4.35		0 0.00	236 3.87		120 3.38			0.2				51	209	15	DWR
Bertinola domestic	2N/2W-26B1	7-20-64		431	8.3	20 1.00	18 1.44	36 1.57	2.0 0.05	0 0.00	102 1.67	49 1.02	45 1.27	0.0 0.00		0.1			237	39	122	38	DWR
		9-23-65		1000									133 3.75			1.2							DWR
J. D. Nolen domestic	2N/2W-36J1	7-20-64		1230	8.4	140 6.99	3.4 0.28	119 5.18	0.5 0.02	4 0.13	319 5.23	105 2.19	150 4.23	49 0.79		0.4			734	42	364	96	DWR
		9-23-65		1230									146 4.12	39 0.63									DWR
										YGNACIO VALLEY (250.00)													
A. Sebastiani domestic	1N/1W-7R1	7-20-64		2310	8.2	207 10.33	30 2.50	289 12.57	1.7 0.04	0 0.00	462 7.57	521 11.84	197 5.56	29 0.47		0.9			1620	49	642	263	DWR
		9-23-65		2260	8.3	113 5.64	75 6.13	307 13.35		0 0.00	408 6.69		192 5.42			0.8				53	589	255	DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - SAN IGNACIO VALLEY (2-9.00) (Cont.)																	
G. Landis domestic	1N/1W-29G1	7-20-64		2020	8.0	148 / 7.38	50 / 4.13	220 / 9.57	1.0 / 0.02	0 / 0.00	529 / 8.67	238 / 4.96	252 / 7.11	24 / 0.39		1.0			1210	45	576	142	DWR
		9-23-65		2030	8.0	125 / 6.24	68 / 5.63	238 / 10.35		0 / 0.00	540 / 8.85		258 / 7.28			0.9				46	546	151	DWR
G. Hook domestic	1N/2W-11N1	7-20-64		1200	8.4	118 / 5.89	12 / 1.02	133 / 5.78	3.0 / 0.08	11 / 0.37	480 / 7.87	28 / 0.58	131 / 3.70	0.0 / 0.00		1.3			700	45	345	0	DWR
		9-23-65		1130	8.4	72 / 3.59	34 / 2.76	135 / 5.87		10 / 0.33	461 / 7.56		123 / 3.47			1.1				48	318	0	DWR
J. E. Wells domestic & irrigation	1N/2W-13P1	7-20-64		1540	7.8	121 / 6.04	62 / 5.13	125 / 5.44	0.4 / 0.01	0 / 0.00	596 / 9.77	109 / 2.27	146 / 4.12	38 / 0.61		1.3			926	33	559	70	DWR
		9-23-65		1430								108 / 2.25	110 / 3.10	33 / 0.53		1.0							DWR
F. H. Dunham domestic	2N/2W-27R1	7-20-64		1730	8.5	11 / 0.55	34 / 2.83	308 / 13.40	4.7 / 0.12	30 / 1.00	419 / 6.87	0.0 / 0.00	324 / 9.14	0.0 / 0.00		6.2			979	79	169	0	DWR
		9-22-65		1680	8.5	40 / 2.00	30 / 2.46	295 / 12.83		18 / 0.60	472 / 7.74		291 / 8.21			6.1				74	223	0	DWR
A. Buscaglia domestic	2N/2W-36E1	7-20-64		3240	7.8	256 / 12.77	131 / 10.81	262 / 11.40	0.9 / 0.02	0 / 0.00	626 / 10.26	415 / 8.64	495 / 13.96	120 / 1.94		1.3			2150	32	1180	663	DWR
		9-22-65		3280								434 / 9.04	483 / 13.62	167 / 2.69		1.1							DWR
S. Rock domestic	2N/2W-36E2	7-20-64		1730	8.2	212 / 10.58	38 / 3.17	105 / 4.57	1.6 / 0.04	0 / 0.00	626 / 10.26	38 / 0.79	252 / 7.11	5.1 / 0.08		0.5			1030	25	688	175	DWR
		9-22-65		1700	8.4	130 / 6.49	90 / 7.38	115 / 5.00		8 / 0.27	590 / 9.67		255 / 7.19			0.4				26	694	19	DWR
						SANTA CLARA VALLEY - EAST BAY (2-9.01)																	
Manasse Block Tanning Co. industrial	1S/4W-4A1	6-22-65		1290	8.5	94 / 4.69	56 / 4.58	95 / 4.13	1.6 / 0.04	8 / 0.27	343 / 5.62	98 / 2.04	176 / 4.96	27 / 0.44		0.1		ABS: 0.0	855	31	464	170	DWR
Red Star Yeast Co. industrial	1S/4W-34F2	6-22-65	67	1010	8.6	35 / 1.75	28 / 2.31	129 / 5.61	2.7 / 0.07	14 / 0.47	234 / 3.84	28 / 0.58	164 / 4.63	11 / 0.18		0.2		ABS: 0.1	518	58	203	0	DWR
A. Ratto irrigation	2S/3W-28C1	6-22-65		1070	8.0	71 / 3.54	27 / 2.23	96 / 4.18	3.6 / 0.09	0 / 0.00	219 / 3.59	44 / 0.92	196 / 5.53	0.6 / 0.01		0.3		ABS: 0.0	684	42	289	109	DWR
Alameda Municipal Golf Course irrigation	2S/3W-30A1	6-22-65		1120	8.1	70 / 3.49	26 / 2.12	110 / 4.78	3.6 / 0.09	0 / 0.00	227 / 3.72	39 / 0.81	211 / 5.95	0.4 / 0.01		0.3		ABS: 0.0	709	46	281	95	DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
Soares Irrigation	2S/3W-30D2	6-22-65	66	4000	8.0	346 / 17.27	123 / 10.10	266 / 11.57	13 / 0.33	0 / 0.00	244 / 4.00	132 / 2.75	1170 / 32.99	0.2 / 0.00		0.3		ABS: 0.0	3560	29	1370	1170	DWR
Hohener Packing Co. domestic & industrial	2S/3W-33H3	6-23-65	66	634	8.5	37 / 1.85	18 / 1.47	79 / 3.44	4.2 / 0.11	8 / 0.27	295 / 4.84	37 / 0.77	27 / 0.76	1.8 / 0.03		0.4		ABS: 0.0	367	50	166	0	DWR
R. A. Zobel Irrigation	2S/3W-34A2	6-23-65		840	7.8	77 / 3.84	36 / 2.97	48 / 2.09	0.9 / 0.02	0 / 0.00	313 / 5.13	70 / 1.46	38 / 1.07	71 / 1.14		0.2		ABS: 0.0	574	23	341	84	DWR
J. A. Jackitch domestic	2S/3W-34D3	6-23-65		595	8.2	43 / 2.14	18 / 1.52	61 / 2.65	1.9 / 0.05	0 / 0.00	299 / 4.90	27 / 0.56	27 / 0.76	1.8 / 0.03		0.4		ABS: 0.0	334	42	183	20	DWR
Alameda Naval Air Station Irrigation	2S/4W-31.1	6-22-65		864	8.4	38 / 1.90	17 / 1.40	119 / 5.18	2.5 / 0.06	4 / 0.13	286 / 4.69	39 / 0.81	103 / 2.90	0.4 / 0.01		0.3		ABS: 0.0	491	61	165	0	DWR
Todd Shipyard Industrial	2S/4W-31.1	6-22-65	67	960	8.6	45 / 2.24	24 / 2.02	112 / 4.87	2.3 / 0.06	10 / 0.33	213 / 3.49	23 / 0.48	169 / 4.77	0.9 / 0.01		0.3		ABS: 0.0	524	53	213	22	DWR
Bayside Nursery Irrigation	3S/2W-7J1	6-23-65	66	1120	8.1	112 / 5.59	38 / 3.16	77 / 3.35	3.4 / 0.09	0 / 0.00	425 / 6.96	94 / 1.96	74 / 2.09	57 / 0.92		0.4		ABS: 0.0	673	27	438	90	DWR
Kruger & Sons Industrial	3S/2W-19R4	6-24-65	63	1130	8.1	116 / 5.69	33 / 2.70	71 / 3.09	1.8 / 0.05	0 / 0.00	373 / 6.11	88 / 1.83	111 / 3.13	44 / 0.71		0.2		ABS: 0.0	686	27	420	114	DWR
A. Matea Irrigation	3S/2W-30R14	6-24-65		1280	8.6	131 / 6.54	41 / 3.41	102 / 4.44	1.1 / 0.03	36 / 1.13	454 / 7.44	84 / 1.75	106 / 2.99	50 / 0.81		0.3		ABS: 0.0	717	31	498	59	DWR
Germann Estate Irrigation	3S/2W-31E1	6-24-65		635	8.3	36 / 1.70	10 / 0.82	86 / 3.74	3.0 / 0.08	0 / 0.00	252 / 4.13	42 / 0.87	48 / 1.35	0.1 / 0.00		0.3		ABS: 0.0	352	59	126	0	DWR
Mt. Eden Nursery domestic & irrigation	3S/2W-32D2	6-24-65	73	819	8.5	35 / 1.75	9.6 / 0.79	121 / 5.26	3.0 / 0.08	6 / 0.20	241 / 4.28	55 / 1.14	85 / 2.40	0.1 / 0.00		0.4		ABS: 0.0	442	67	127	0	DWR
Avansino Mortenson Co. Irrigation	3S/3W-17.3	6-23-65	70	1050	8.3	48 / 2.40	20 / 1.66	150 / 6.52	2.7 / 0.07	0 / 0.00	365 / 5.98	55 / 1.14	125 / 3.53	0.5 / 0.01		0.6		ABS: 0.0	581	61	203	0	DWR
Trojan Powder Co. abandoned	3S/3W-11Q1	6-23-65	64	1100	8.3	42 / 2.10	18 / 1.50	157 / 6.83	3.9 / 0.10	0 / 0.00	241 / 3.95	48 / 1.00	203 / 5.73	0.1 / 0.00		0.5		ABS: 0.0	606	65	180	0	DWR
Cinnelli Irrigation	3S/3W-13B2	6-24-65		1870	8.1	126 / 6.29	67 / 5.48	198 / 8.61	1.9 / 0.05	0 / 0.00	677 / 11.10	192 / 4.00	153 / 4.32	83 / 1.34		1.2		ABS: 0.0	1200	42	589	34	DWR
J. Barat domestic & stock	3S/3W-24Q2	6-24-65		2440	8.0	176 / 8.78	103 / 8.44	199 / 8.66	1.1 / 0.03	0 / 0.00	460 / 7.54	151 / 3.14	392 / 11.06	251 / 4.05		0.4		ABS: 0.0	1550	33	862	485	DWR
Citizen's Utilities Co. municipal	4S/1W-7N1	3-15-65		986									84 / 2.37	32 / 0.52									DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (cont.)																	
Southern Pacific RR irrigation	4S/1W-7P1	10-64		943									61 / 1.72										DWR
		3-29-65		1050									75 / 2.12										WP
		9-20-65		898									60 / 1.69										DWR
Southern Pacific RR irrigation	4S/1W-7R1	10-64		1160									113 / 3.19	82 / 1.32									DWR
		3-29-65		1740									246 / 6.94	134 / 2.16									DWR
		9-17-65		1620									256 / 4.22	86 / 1.39									DWR
Decoto Masonic Home dom., farm, & garden	4S/1W-7R5	10-64		905									61 / 1.72	58 / 0.94									DWR
		3-15-65		1040									115 / 3.24										DWR
		9-15-65		1030									91 / 2.57	38 / 0.61									DWR
J. S. Andrade irrigation	4S/1W-17E2	3-65		2070									503 / 14.18										DWR
M. Freitas irrigation	4S/1W-17E4	9-15-65		1440	8.0	102 / 5.09	42 / 3.44	93 / 4.04	2.7 / 0.07	0 / 0.00	93 / 1.52	52 / 1.08	358 / 10.10	4.5 / 0.07		0.3			944	32	42	351	DWR
H. Faria irrigation	4S/1W-18C2	10-64		907		55 / 2.74	49 / 4.01	52 / 2.26	2.1 / 0.05	0 / 0.00	243 / 3.98	84 / 1.75	93 / 2.62	39 / 0.63		0.3			516	29	338	139	DWR
		3-15-65		1130									117 / 3.31										DWR
		9-15-65		1150	8.1	86 / 4.29	60 / 4.93	60 / 2.61	2.3 / 0.06	0 / 0.00	363 / 5.95	81 / 1.69	122 / 3.44	36 / 0.58		0.3			662	22	461	163	DWR
Pacific States Steel industrial	4S/1W-18G1	10-64		1440									202 / 5.70										DWR
		3-15-65		1730									536 / 15.15										DWR
		9-15-65		1560									231 / 6.52										DWR
American Forge Co. industrial	4S/1W-18H3	3-24-65		3490									1060 / 29.91										DWR
		9-15-65		3300									968 / 27.31										DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million													Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Analyzed by
						Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents			Total ppm	NC ppm	
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
N. Rose Irrigation & domestic	4S/1W-18M7	10-64		2180	7.8	164 / 8.18	103 / 8.48	72 / 3.13	3.9 / 0.10	0 / 0.00	81 / 1.33	56 / 1.17	580 / 16.36	4.6 / 0.07		0.0			1450		834	768	DWR
		3-16-65		1610									369 / 10.41										DWR
		9-15-65		1570	8.3	146 / 7.28	62 / 5.11	60 / 2.61	3.0 / 0.08	0 / 0.00	220 / 3.60	66 / 1.37	360 / 10.16	3.4 / 0.05		0.3			1200	17	620	440	DWR
Rhodes - Jamieson Industrial & irr.	4S/1W-19A1	10-5-64		958									161 / 4.54										DWR
Santa Cruz Portland Cement Co. not in use	4S/1W-20D2	10-64		1080									183 / 5.16										DWR
		3-16-65		626									41 / 1.16										DWR
		9-15-65		1350									273 / 7.70										DWR
California Nursery Co. Industrial	4S/1W-20E1	10-2-64		940									167 / 4.71										DWR
		3-30-65		866									133 / 3.75	3.5 / 0.06									DWR
		9-15-65		818									129 / 3.64										DWR
Clements Construction Company Industrial	4S/1W-20N3	10-23-64		771	7.5	70 / 3.49	28 / 2.30	42 / 1.83	2.6 / 0.07	0 / 0.00	236 / 3.87	63 / 1.31	82 / 2.31	2.1 / 0.04		0.4			455	24	290	96	DWR
Pacific Cement & Aggregates, Inc. Industrial	4S/1W-20N5	10-64		1480									313 / 8.83										DWR
Citizen's Utilities municipal	4S/1W-21F2	8-17-64		580	8.2	39 / 1.95	18 / 1.45	48 / 2.09	2.1 / 0.05	0 / 0.00	163 / 2.67	41 / 0.85	66 / 1.86	1.6 / 0.02		0.5		Cr^{+6} 0.00; Al 0.00; As 0.00; Cu 0.00; Pb 0.00; Mn 0.00; Zn 0.04; ABS 0.0; Se 0.00; Fe 0.00 (Total); Phenols 0.001	309	58	170	36	DWR
		10-2-64		598									78 / 2.20										DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
Citizen's Utilities municipal	4S/1W-21F2 (Cont.)	12-3-64	61	643	8.3	45 / 2.24	19 / 1.60	51 / 2.22	2.1 / 0.05	0 / 0.00	177 / 2.90	42 / 0.87	83 / 2.34	1.4 / 0.02		0.4		Cr^{+6} 0.00 Al 0.00 As 0.00 Cu 0.00 Pb 0.00 Mn 0.00 Zn 0.00 ABS 0.0 Se 0.00 Fe 0.01 (Total) Phenols 0.000	365	36	192	47	DWR
		3-4-65	61	627	8.2	61 / 3.04	9.7 / 0.80	54 / 2.35	2.6 / 0.07	0 / 0.00	223 / 3.65	54 / 1.12	51 / 1.44	10 / 0.16		0.4		Cr^{+6} 0.00 Al 0.00 As 0.00 Cu 0.00 Pb 0.00 Mn 0.00 Zn 0.07 ABS 0.0 Se 0.00 Fe 0.02 (Total) Phenols 0.000	348	38	192	9	DWR
		6-8-65	62	772	8.1	68 / 3.37	26 / 2.18	53 / 2.30	2.6 / 0.07	0 / 0.00	256 / 4.20	81 / 1.69	64 / 1.80	13 / 0.21		0.4		Cr^{+6} 0.00 Al 0.00 As 0.00 Cu 0.00 Pb 0.00 Mn 0.00 Zn 0.00 ABS 0.0 Se 0.00 Fe 0.00 (Total) Phenols 0.000	448	29	278	68	DWR
		9-2-65		664	8.0	53 / 2.64	22 / 1.82	47 / 2.04	2.2 / 0.06	0 / 0.00	218 / 3.57	46 / 0.96	61 / 1.72	8.7 / 0.14		0.4		Cr^{+6} 0.00 Al 0.05 As 0.00 Cu 0.12 Pb 0.00 Mn 0.00 Zn 0.01 ABS 0.0 Se 0.00 Fe 0.10 (Total) Phenols 0.000	374	31	223	44	DWR
Weedone Company unused	4S/1W-21G2	3-16-65		690				48 / 2.09					50 / 1.41										DWR
Hamamoto domestic & irrigation	4S/1W-21K3	3-65		615									25 / 0.71										DWR
		9-15-65		529									48 / 1.35										DWR
Alameda County Water District municipal	4S/1W-21P6	9-17-64		704	8.1	69 / 3.44	22 / 1.81	46 / 2.00	1.7 / 0.04	0 / 0.00	253 / 4.15	60 / 1.25	55 / 1.55	3.0 / 0.05		0.6		Cr^{+6} 0.00 Al 0.00 As 0.00 Cu 0.00 Pb 0.00 Mn 0.00 Zn 0.09 ABS 0.0 Se 0.00 Fe 0.00 (Total) Phenols 0.000	395	27	263	56	DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
Alameda County Water District municipal	4S/1W-21P6 (Cont.)	10-1-64		715									57 / 1.61										DWR
		12-3-64	61	710	8.3	58 / 2.89	26 / 2.11	45 / 1.96	1.5 / 0.04	0 / 0.00	240 / 3.93	57 / 1.19	66 / 1.86	2.3 / 0.04		0.6		Cr^{+6} 0.00 Al 0.00 As 0.00 Cu 0.00 Pb 0.00 Mn 0.00 Zn 0.00 ABS 0.0 Se 0.00 Fe 0.00 (Total) Phenols 0.000	400	28	250	53	DWR
		3-4-65	61	716	8.2	66 / 3.29	22 / 1.80	50 / 2.18	2.4 / 0.06	0 / 0.00	268 / 4.39	67 / 1.39	55 / 1.55	6.4 / 0.10		0.5		Cr^{+6} 0.00 Al 0.00 As 0.00 Cu 0.00 Pb 0.00 Mn 0.00 Zn 0.08 ABS 0.0 Se 0.00 Fe 0.00 (Total) Phenols 0.000	402	30	255	35	DWR
		9-8-65	63	710	8.3	98 / 4.89	1.3 / 0.11	52 / 2.26	1.7 / 0.04	0 / 0.00	281 / 4.60	66 / 1.37	47 / 1.32	7.2 / 0.12		0.5		Cr^{+6} 0.00 Al 0.00 As 0.00 Cu 0.00 Pb 0.00 Mn 0.00 Zn 0.00 ABS 0.0 Se 0.00 Fe 0.00 (Total) Phenols 0.000	418	31	250	20	DWR
		9-2-65		670	8.1	53 / 2.64	26 / 2.14	46 / 2.00	1.8 / 0.05	0 / 0.00	256 / 4.20	55 / 1.14	43 / 1.21	7.0 / 0.11		0.6		Cr^{+6} 0.00 Al 0.00 As 0.00 Cu 0.00 Pb 0.00 Mn 0.00 Zn 0.01 ABS 0.0 Se 0.00 Fe 0.02 (Total) Phenols 0.000	388	29	239	29	DWR
E. F. Mortenstein Irrigation	4S/1W-21R2	10-2-64		677	8.6	55 / 2.74	24 / 1.96	52 / 2.26	2.0 / 0.05	8 / 0.27	246 / 4.03	64 / 1.33	43 / 1.21	4.4 / 0.07		0.7		ABS 0.0	394	32	235	20	DWR
		3-16-65		659									40 / 1.13										DWR
		9-15-65		607	7.5	50 / 2.50	22 / 1.84	40 / 1.74	1.9 / 0.05	0 / 0.00	237 / 3.88	60 / 1.25	25 / 0.70	9.0 / 0.14		0.6			342	28	217	23	DWR
M. Iacopi Irrigation	4S/1W-21R4	9-15-65		540				30 / 1.30					24 / 0.68										DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01)(Cont.)																	
A. J. Rezendes irrigation	4S/1W-22M2	10-21-64		1210	8.2	14 / 0.70	19 / 1.60	235 / 10.22	7.6 / 0.19	0 / 0.00	586 / 9.60	46 / 0.96	72 / 2.03	2.0 / 0.03		3.7			829		115	0	DWR
		3-16-65		1440									86 / 2.43			4.8							DWR
		9-15-65		826	8.4	34 / 1.70	18 / 1.50	112 / 4.87	5.8 / 0.15	4 / 0.13	311 / 5.10	62 / 1.29	54 / 1.52	5.2 / 0.08		1.2			462	59	160	0	DWR
J. S. Dutra domestic & irrigation	4S/1W-28B2	3-24-65		777									55 / 1.55										DWR
		9-15-65		819	8.0	58 / 2.89	33 / 2.70	62 / 2.70	2.1 / 0.05	0 / 0.00	328 / 5.38	72 / 1.50	48 / 1.34	7.3 / 0.12		0.8			453	32	280	11	DWR
Alameda County Water District municipal	4S/1W-28C14	10-2-64		522	7.9	31 / 1.55	21 / 1.69	42 / 1.83	2.4 / 0.06	0 / 0.00	189 / 3.10	50 / 1.04	32 / 0.90	4.2 / 0.07		0.3		ABS 0.0	294	36	162		DWR
		3-15-65		674				42 / 1.83					45 / 1.27										DWR
		9-15-65		653	8.2	56 / 2.79	21 / 1.75	45 / 1.96	2.3 / 0.06	0 / 0.00	256 / 4.20	52 / 1.08	39 / 1.10	3.6 / 0.06		0.4			339	30	22	1	DWR
Bodily domestic & irrigation	4S/1W-28H4	10-64		910	8.6	88 / 4.39	38 / 3.16	44 / 1.91	2.2 / 0.06	11 / 0.37	260 / 4.26	78 / 1.62	105 / 2.96	4.0 / 0.06		0.5		ABS 0.0	555	20	378	146	DWR
		3-16-65		857									99 / 2.79										DWR
		9-15-65		849	8.6	79 / 3.94	33 / 2.75	44 / 1.91	2.6 / 0.07	13 / 0.43	250 / 4.10	70 / 1.46	91 / 2.57	2.5 / 0.04		0.6			489	23	335	109	DWR
Alameda County Water District municipal	4S/1W-28D9	10-2-64		718									72 / 2.03	2.4 / 0.04									DWR
		3-16-65		730									78 / 2.20	2.3 / 0.04									DWR
		9-15-65		738									69 / 1.95	3.2 / 0.05									DWR
Washington Township Hospital domestic	4S/1W-28F5	10-1-64		483		36 / 1.80	15 / 1.22	43 / 1.87	1.6 / 0.04	0 / 0.00	193 / 3.16	38 / 0.79	26 / 0.73	2.2 / 0.04		0.3		ABS 0.0	262	38	151	0	DWR
		3-30-65		574				45 / 1.96					26 / 0.73										DWR
		9-15-65		539	8.3	38 / 1.90	17 / 1.40	46 / 2.00	2.0 / 0.05	0 / 0.00	219 / 3.59	40 / 0.83	26 / 0.73	2.5 / 0.04		0.3			280	37	165	0	DWR
Park Plaza irrigation	4S/1W-28L1	10-26-64		2150									335 / 9.45	68 / 1.10									DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
Park Plaza irrigation	4S/1W-28L1 (Cont.)	3-20-65		2020									223 / 6.30	42 / 0.68									DWR
		9-15-65		2040									352 / 9.93	43 / 0.69									DWR
L. Isola domestic & irrigation	4S/1W-28N1	9-20-65		1430									237 / 6.68										DWR
L. S. Williams domestic	4S/1W-28R1	9-20-65		1630	8.3	138 / 6.89	69 / 5.66	106 / 4.61	3.2 / 0.08	0 / 0.00	500 / 8.20	173 / 3.60	140 / 3.95	87 / 1.40		0.6			1020	27	628	218	DWR
C. Caldera domestic	4S/1W-29J8	10-64		2380	8.1	182 / 9.08	102 / 8.40	154 / 6.70	3.6 / 0.09	0 / 0.00	516 / 8.46	93 / 1.94	461 / 13.00	48 / 0.77		0.9		ABS 0.0	1350	28	875	452	DWR
		3-16-65		2200									475 / 11.98										DWR
		9-15-65		2720	8.3	197 / 9.83	115 / 9.45	176 / 7.66	4.4 / 0.11	0 / 0.00	428 / 7.01	84 / 1.75	625 / 17.63	48 / 0.77		0.8			1780	28	965	614	DWR
Alameda County Water District municipal	4S/1W-29L12	10-21-64		1720	8.1	211 / 10.53	30 / 2.44	66 / 2.87	3.6 / 0.09	0 / 0.00	77 / 1.26	53 / 1.10	464 / 13.09	30 / 0.48		0.3		ABS 0.0	1350	18	649	586	DWR
		3-26-65		2020									583 / 16.48										DWR
		9-16-65		2490	7.8	245 / 12.22	97 / 7.96	62 / 2.70	3.7 / 0.09	0 / 0.00	192 / 3.15	48 / 1.00	647 / 18.25	0.12 / 7.6		0.3			1660	12	1010	853	DWR
Alameda County Water District municipal	4S/1W-30K3	10-5-64		741	8.3	44 / 2.20	16 / 1.28	78 / 3.39	1.8 / 0.05	0 / 0.00	166 / 2.72	46 / 0.96	111 / 3.13	2.4 / 0.04		0.4		ABS 0.0	406	49	174	38	DWR
		3-16-65		767									111 / 3.13										DWR
		9-15-65		973	8.6	71 / 3.54	18 / 1.46	93 / 4.04	2.2 / 0.06	12 / 0.40	184 / 3.02	48 / 1.00	160 / 4.51	2.5 / 0.04		0.3			527	44	250	80	DWR
K. Sekigahama irrigation	4S/1W-30N3	9-20-65		1090									196 / 5.53										DWR
Nakamoto domestic	4S/1W-31A2	10-20-64		1560									331 / 9.34										DWR
		3-23-65		1770									446 / 12.58										DWR
		9-15-65		2230									553 / 15.60										DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N C ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
Alameda County Water District municipal	4S/1W-31B3	10-2-64		939	7.9	64 / 3.19	31 / 2.52	59 / 2.57	2.5 / 0.06	0 / 0.00	92 / 1.51	51 / 1.06	192 / 5.42	5.5 / 0.09		0.3			562	31	286	211	DWR
		9-15-65		788	8.3	42 / 2.10	22 / 1.84	85 / 3.70	2.3 / 0.06	0 / 0.00	250 / 4.10	57 / 1.19	80 / 2.26	3.6 / 0.06		0..			428	48	197	0	DWR
F. Betschart domestic & irrigation	4S/1W-32A5	10-64		2730									671 / 18.93										DWR
		3-17-65		3080									749 / 21.12										DWR
Alameda County Water District municipal	4S/1W-32P1	10-21-64		1740	7.7	122 / 6.10	42 / 3.45	131 / 5.70	3.0 / 0.08	0 / 0.00	88 / 1.44	38 / 0.79	444 / 12.52	1.1 / 0.02		0		ABS 0.0	1120		478	407	DWR
		3-31-65		1540									163 / 4.61										DWR
L. S. Williams irrigation	4S/1W-33A1	10-22-64		964	7.9	32 / 1.60	47 / 3.87	91 / 3.96	3.0 / 0.08	0 / 0.00	255 / 4.18	91 / 1.89	75 / 2.12	64 / 1.03		0.4		ABS 0.0	561		274	65	DWR
		3-65		1120									83 / 2.34										DWR
		9-15-65		1010	8.3	39 / 1.95	51 / 4.20	88 / 3.83	3.0 / 0.08	0 / 0.00	264 / 4.33	117 / 2.44	88 / 2.48	43 / 0.69		0.6			582	38	308	92	DWR
J. Pionetta domestic & irrigation	4S/1W-33E1	10-26-64		4760									1380 / 38.93										DWR
		3-30-65		4830									1350 / 38.07										DWR
		9-15-65		4990									1480 / 41.75										DWR
R. Clarts domestic & irrigation	4S/1W-33K1	10-64		1200	8.3	39 / 1.95	63 / 5.22	129 / 5.61	3.2 / 0.08	0 / 0.00	461 / 7.56	84 / 1.75	91 / 2.57	55 / 0.89		0.9		ABS 0.0	714	44	359	0	DWR
		3-17-65		1520									166 / 4.68										DWR
B. Rose domestic	4S/1W-34Q4	10-6-64		1320	7.9	88 / 4.39	52 / 4.32	98 / 4.26	2.6 / 0.07	0 / 0.00	324 / 5.31	38 / 0.79	184 / 5.19	86 / 1.39		0.0		ABS 0.0	805		436	170	DWR
		3-17-65		1400				8.8 / 3.83					166 / 4.68										DWR
		9-15-65		1190	8.3	97 / 4.84	40 / 3.31	82 / 3.57	2.3 / 0.06	0 / 0.00	408 / 6.69	31 / 0.64	133 / 3.75	37 / 0.60		0.1			639	30	408	74	DWR
O. N. Hirch irrigation	4S/1W-34R2	10-1-64		585	7.9	24 / 1.20	18 / 1.46	75 / 3.26	2.1 / 0.05	0 / 0.00	276 / 4.53	15 / 0.31	36 / 1.02	0.6 / 0.01		0.0		ABS 0.0	320		133	0	DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
O. N. Hirch irrigation	4S/1W-34R2 (Cont.)	3-17-65		1040									124 / 3.50										DWR
		9-15-65		528	8.3	20 / 1.00	18 / 1.48	73 / 3.18	1.8 / 0.05	0 / 0.00	259 / 4.24	19 / 0.40	38 / 1.07	1.6 / 0.02		0.2			314	56	124	0	DWR
Alameda County Water District municipal	4S/1W-35P3	10-1-64		651	7.9	19 / 0.95	17 / 1.41	101 / 4.39	2.1 / 0.05	0 / 0.00	315 / 5.16	16 / 0.33	39 / 1.10	0.0 / 0.00		0.1		ABS 0.0	359		118	0	DWR
		3-17-65		689									43 / 1.21										DWR
		9-15-65		674	8.2	24 / 1.20	18 / 1.48	100 / 4.35	1.9 / 0.05	0 / 0.00	325 / 5.33	19 / 0.40	42 / 1.18	1.8 / 0.03		0.3			377	61	134	0	DWR
Wiegman domestic & irrigation	4S/2W-3R1	10-5-64		517	8.1	16 / 0.80	12 / 0.96	80 / 3.48	2.1 / 0.05	0 / 0.00	230 / 3.77	34 / 0.71	19 / 0.54	1.2 / 0.02		0.1		ABS 0.0	298		88	0	DWR
		3-15-65		606									22 / 0.62										DWR
		9-15-65		629	8.6	40 / 2.00	10 / 0.84	83 / 3.61	2.3 / 0.06	9 / 0.30	279 / 4.57	43 / 0.90	21 / 0.59	0.6 / 0.01		0.4			349	55	142	0	DWR
J. F. Bettencourt irrigation	4S/2W-9Q2	6-24-65	66	3990	7.9	286 / 14.27	99 / 8.11	338 / 14.70	7.7 / 0.20	0 / 0.00	169 / 2.77	122 / 2.54	1140 / 32.15	1.5 / 0.02		0.2		ABS 0.0	3560	39	1120	982	DWR
Holly Sugar industrial	4S/2W-10C1	10-5-64		964	7.8	53 / 2.64	20 / 1.68	94 / 4.09	3.1 / 0.08	0 / 0.00	166 / 2.72	38 / 0.79	174 / 4.91	1.5 / 0.02		0.1		ABS 0.0	556		216	80	DWR
		3-15-65		834									129 / 3.64										DWR
		9-15-65		924	8.3	49 / 2.44	19 / 1.56	99 / 4.31	3.0 / 0.08	0 / 0.00	168 / 2.75	43 / 0.90	160 / 4.51	2.6 / 0.04		0.4			505	51	200	62	DWR
W. Avila irrigation	4S/2W-10M1	3-26-65		620	8.1	70 / 3.49	16 / 1.31	38 / 1.65	2.6 / 0.07	0 / 0.00	285 / 4.67	40 / 0.83	29 / 0.82	6.5 / 0.10		0.3		ABS 0.0	342	25	240	6	DWR
		9-15-65		615									34 / 0.96										DWR
Alameda County Water District municipal	4S/2W-10N6	3-26-65		3020									865 / 24.45										DWR
		9-16-65		3280	7.8	229 / 11.43	70 / 5.73	273 / 11.88	6.9 / 0.18	0 / 0.00	131 / 2.15	69 / 1.44	916 / 25.84	1.8 / 0.03		0.3			2250	40	859	752	DWR
Scutto Brothers domestic & irrigation	4S/2W-10Q2	10-6-64		2960	7.5	215 / 10.73	146 / 12.01	163 / 7.09	4.6 / 0.12	0 / 0.00	178 / 2.92	360 / 7.50	665 / 18.76	17 / 0.27		0.1		ABS 0.0	2230		1140	994	DWR
		3-16-65		3030				154 / 6.70					614 / 17.31										DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-4.01) (Cont.)																	
Scutto Brothers domestic & irrigation	4S/2W-10Q2 (Cont.)	9-15-65		3240	7.7	304 / 15.17	143 / 11.76	158 / 6.87	4.4 / 0.11	0 / 0.00	515 / 8.44	312 / 6.50	668 / 18.84	18 / 0.29		0.5			2130	20	1348	926	DWR
H. Andrade domestic & irrigation	4S/2W-10Q3	3-16-65		2530									434 / 12.23										DWR
		9-15-65		2380									339 / 9.56										DWR
J. C. Whipple abandoned	4S/2W-11A2	10-64		838									48 / 1.35	36 / 0.58									DWR
		3-31-65		784									53 / 1.50	28 / 0.45									DWR
		9-15-65		811									50 / 1.41	19 / 0.31									DWR
Kitayama irrigation	4S/2W-11G1	10-6-64		882									47 / 1.32	31 / 0.50									DWR
		3-18-65		878									132 / 3.72	24 / 0.39									DWR
		9-15-65		832									47 / 1.32	13 / 0.21									DWR
M. Faria domestic	4S/2W-11J1	10-9-64		869									60 / 1.69	29 / 0.47									DWR
		9-15-65		863									64 / 1.80	22 / 0.35									DWR
Kitayama domestic	4S/2W-11Q10	3-31-65		647									33 / 0.93	12 / 0.19									DWR
		9-15-65		696	7.8	68 / 3.39	26 / 2.12	37 / 1.61	2.4 / 0.06	0 / 0.00	299 / 4.90	43 / 0.90	35 / 0.99	10 / 0.16		0.2			374	22	276	31	DWR
J. Goularte domestic	4S/2W-11R12	10-7-64		1520									138 / 3.89	88 / 1.42									DWR
		3-18-65		740									68 / 1.92	56 / 0.90									DWR
		9-15-65		1420									116 / 3.27										DWR
Alameda County Water District municipal	4S/2W-12C1	10-2-64		631									57 / 1.61	1.2 / 0.02									DWR
		3-16-65		669									62 / 1.75	1.7 / 0.03									DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
Alameda County Water District municipal	4S/2W-12C1 (Cont.)	9-15-65		606									50 / 1.41	21 / 0.03									DWR
Western Pacific RR domestic & irrigation	4S/2W-12N4	9-15-65		1070									73 / 2.06	60 / 0.97									DWR
Western Pacific RR irrigation	4S/2W-12P2	10-7-64		955									79 / 2.23	65 / 1.05									DWR
		3-65		537									70 / 1.97	47 / 0.76									DWR
		9-15-65		955									71 / 2.00	39 / 0.63									DWR
Logan High School irrigation	4S/2W-13A1	10-7-64		1370									163 / 4.60	58 / 0.94									DWR
J. May irrigation	4S/2W-13C2	10-7-64		2060									326 / 9.20										DWR
		3-31-65		1350				73 / 5.47					194 / 5.47										DWR
		9-15-65		1710									289 / 8.15										DWR
C. Conno irrigation	4S/2W-13E2	10-64		4200									1090 / 30.75										DWR
		3-19-65		2740									663 / 18.70										DWR
		9-15-65		2080									415 / 11.71										DWR
W. Silva domestic	4S/2W-13R5	3-31-65		854									122 / 3.44										DWR
T. E. Harvey irrigation	4S/2W-14R1	10-12-64		4531	7.8	355 / 17.71	218 / 17.93	258 / 11.22	5.4 / 0.14	0 / 0.00	81 / 1.33	452 / 9.41	1276 / 35.99	62 / 1.00		0.5		ABS 0.0	3432	24	1784	1718	DWR
		3-19-65		4830									1260 / 35.53										DWR
		9-15-65		5100	7.6	450 / 22.46	237 / 19.50	216 / 9.40	5.5 / 0.14	0 / 0.00	386 / 6.33	448 / 9.33	1230 / 34.70	62 / 1.00		0.6			4100	18	2100	1784	DWR
A. Caeton domestic & irrigation	4S/2W-14J1	10-9-64		636	8.2	38 / 1.90	11 / 0.98	80 / 3.48	2.5 / 0.06	0 / 0.00	242 / 3.97	32 / 0.68	55 / 1.55	1.4 / 0.02		0.1		ABS 0.0	333		144	0	DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																							
A. Carton domestic & irrigation	4S/2W-14J1	3-19-65		838									69 / 1.95										DWR
		9-15-65		922	8.2	62 / 3.09	49 / 4.00	48 / 2.09	4.6 / 0.07	0 / 0.00	307 / 5.03	58 / 1.21	95 / 2.68	11 / 0.18		0.1			563	22	355	103	DWR
Arenchild domestic & irrigation	4S/2W-15C1	10-64		472	8.1	32 / 1.60	14 / 1.20	38 / 1.65	1.9 / 0.05	0 / 0.00	154 / 2.52	43 / 0.90	35 / 0.99	8.7 / 0.14		0.2		ABS 0.2	276	37	148	14	DWR
		3-19-65		628									33 / 0.93										DWR
		9-15-65		667	8.5	58 / 2.89	28 / 2.34	37 / 1.61	2.4 / 0.06	7 / 0.23	284 / 4.65	42 / 0.87	33 / 0.93	11 / 0.18		0.2			368	23	262	29	DWR
King irrigation	4S/2W-15L4	10-20-64		585	8.3	63 / 3.14	11 / 0.94	40 / 1.74	3.1 / 0.08	0 / 0.00	179 / 2.93	60 / 1.25	51 / 1.44	18 / 0.29		0.3		ABS 0.3	352	29	204	54	DWR
		3-18-65		763				94 / 1.95					58 / 1.64										DWR
		9-15-65		805	8.2	88 / 4.39	25 / 2.08	36 / 1.57	3.0 / 0.08	0 / 0.00	287 / 4.70	55 / 1.14	66 / 1.86	15 / 0.24		0.3			448	19	324	89	DWR
B. H. Patterson irrigation	4S/2W-22P2	10-64		580	8.6	30 / 1.50	5.8 / 0.48	90 / 3.92	1.7 / 0.04	13 / 0.43	238 / 3.90	41 / 0.85	25 / 0.70	0.4 / 0.01		0.3		ABS 0.0	352	66	99	0	DWR
		3-17-65		569									28 / 0.79										DWR
		9-15-65		579	8.7	29 / 1.45	8.1 / 0.67	85 / 3.70	1.9 / 0.05	11 / 0.37	244 / 4.00	42 / 0.87	25 / 0.70	1.0 / 0.02		0.3			320	63	106	0	DWR
Patterson Ranch irrigation	4S/2W-23F2	10-12-64		707	7.8	57 / 2.84	27 / 2.25	37 / 1.61	2.5 / 0.06	0 / 0.00	170 / 2.79	60 / 1.25	88 / 2.48	8.2 / 0.13		0.3		ABS 0.0	437	24	255	116	DWR
		3-23-65		732									59 / 1.67										DWR
		9-15-65		697	8.0	67 / 3.34	20 / 1.62	34 / 1.48	2.2 / 0.06	0 / 0.00	224 / 3.67	52 / 1.08	61 / 1.72	8.3 / 0.13		0.2			403	23	248	64	DWR
L. Croce irrigation	4S/2W-24B4	10-64		622	8.3	57 / 2.84	24 / 2.02	32 / 1.39	2.2 / 0.06	0 / 0.00	235 / 3.85	50 / 1.04	34 / 0.96	13 / 0.21		0.3		ABS 0.0	362	22	243	50	DWR
		3-18-65		643									35 / 0.99										DWR
		9-15-65		656	8.5	66 / 3.29	22 / 1.82	33 / 1.44	2.2 / 0.06	16 / 0.53	251 / 4.11	46 / 0.96	35 / 0.99	10 / 0.16		0.2			323	34	246	24	DWR
Amaral irrigation	4S/2W-24F6	10-22-64		3100	8.2	391 / 19.51	59 / 4.87	121 / 5.26	4.0 / 0.10	0 / 0.00	235 / 3.85	110 / 2.29	794 / 22.40	57 / 0.92		0.5		ABS 0.0	2140	18	1220	1030	DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Analyzed by
						Calcium (Ca)	Magnesium (Mg)	Sodium (No)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents			Total ppm	NC ppm	
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
Amaral irrigation	4S/2W-24F5 (Cont.)	9-15-65		3920	8.0	344 / 17.16	185 / 15.21	130 / 5.66	4.7 / 0.12	0 / 0.00	313 / 5.13	122 / 2.54	1030 / 29.06	28 / 0.45		0.4			2470	15	1620	1363	DWR
J. A. Machado irrigation	4S/2W-24J1	10-22-64		1510	8.2	191 / 9.53	26 / 2.10	58 / 2.52	3.5 / 0.09	0 / 0.00	125 / 2.05	81 / 1.69	356 / 10.04	31 / 0.50		0.4		ABS 0.0	1020	18	582	480	DWR
		3-24-65		1240				52 / 2.26					235 / 6.64										DWR
		9-10-65		1550	8.1	141 / 7.04	61 / 5.05	52 / 2.26	3.5 / 0.09	0 / 0.00	176 / 2.88	85 / 1.77	344 / 9.70	10 / 0.16		0.4			1080	16	605	461	DWR
M. Kitani domestic & irrigation	4S/2W-24L6	10-12-64		626	8.2	69 / 3.44	20 / 1.67	33 / 1.43	2.4 / 0.06	0 / 0.00	256 / 4.20	57 / 1.19	38 / 1.07	5.1 / 0.08		0.2		ABS 0.0	376	22	256	46	DWR
		3-22-65		629									36 / 1.01										DWR
		9-15-65		680	8.4	76 / 3.79	17 / 1.40	31 / 1.35	2.1 / 0.05	6 / 0.20	234 / 3.84	53 / 1.10	54 / 1.52	4.4 / 0.07		0.3			366	20	260	58	DWR
H. H. Patterson irrigation	4S/2W-26A1	10-12-64		1020	8.1	105 / 5.24	9.6 / 0.79	75 / 3.26	2.9 / 0.07	0 / 0.00	99 / 1.62	47 / 0.98	227 / 6.40	9.0 / 0.14		0.3		ABS 0.0	664	35	302	221	DWR
		9-15-65		1270	8.0	116 / 5.79	32 / 2.60	77 / 3.35	2.9 / 0.07	0 / 0.00	253 / 4.15	55 / 1.14	221 / 6.23	6.4 / 0.10		0.3			756	28	420	213	DWR
H. H. Patterson domestic & irrigation	4S/2W-26A2	3-26-65		986									185 / 5.23										DWR
H. H. Patterson domestic & irrigation	4S/2W-26G1	10-12-64		502	8.3	28 / 1.40	1.2 / 0.10	84 / 3.65	1.9 / 0.05	0 / 0.00	223 / 3.65	45 / 0.94	22 / 0.62	1.2 / 0.02		0.3		ABS 0.0	292	70	75	0	DWR
		3-16-65		558									25 / 0.70										DWR
H. H. Patterson domestic & irrigation	4S/2W-27L1	10-2-64		662									28 / 0.79										DWR
		3-29-65		622									28 / 0.79										DWR
		9-15-65		587									26 / 0.73										DWR
Sevilacqua irrigation	4S/2W-35B1	3-31-65		698									66 / 1.87										DWR
Leslie Salt Co. industrial	4S/2W-35F1	9-15-65		1480									327 / 9.22										DWR
E. R. Blacow dom., irr., & stock	5S/1W-4D1	10-1-64		592									20 / 0.56										DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Analyzed by
						Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents			Total ppm	NC ppm	
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
E. R. Slincow dom., irr., & stock	5S/1W-6Q1 (Cont.)	3-30-65		604									24 / 0.68									DWR
		9-15-65		576									21 / 0.59									DWR
Heath Diary domestic & irrigation	5S/1W-5F1	3-17-65		1350									301 / 8.37									DWR
J. L. Stevenson domestic & irrigation	5S/1W-5F2	10-64		584									19 / 0.54									DWR
L. Milani irrigation	5S/1W-6G1	10-64		3300	8.0	308 / 15.37	100 / 8.21	142 / 6.18	5.9 / 0.15	0 / 0.00	178 / 2.92	43 / 0.90	903 / 25.47	5.0 / 0.08		0.2		ABS 0.0	2090	20	1180	1034	DWR
		3-19-65		3210									890 / 25.10									DWR
		9-15-65		2750	8.1	262 / 13.07	76 / 6.29	134 / 5.83	6.2 / 0.16	0 / 0.00	254 / 4.16	17 / 0.35	741 / 20.90	2.1 / 0.03		0.3			1820	23	969	761	DWR
Trailmobile, Inc. industrial	5S/1W-8A3	9-15-65		610	8.5	17 / 0.85	3.3 / 0.27	114 / 4.96	1.5 / 0.04	10 / 0.33	285 / 4.67	35 / 0.73	17 / 0.48	0.3 / 0.00		0.5			353	81	56	0	DWR
Brosius domestic, duck pond	5S/1W-9J1	10-64		1320									186 / 5.25									DWR
		3-18-65		1820	8.2	109 / 5.44	53 / 4.35	134 / 5.83	3.6 / 0.09	0 / 0.00	324 / 5.31	53 / 1.10	335 / 9.45	2.1 / 0.03		0.5		ABS 0.0	884	37	490	224	DWR
		9-15-65		3030									769 / 21.69									DWR
A. F. Brosius domestic & irrigation	5S/1W-9K1	10-64		1060	8.2	68 / 3.39	37 / 3.06	84 / 3.65	4.4 / 0.11	0 / 0.00	264 / 4.33	50 / 1.04	168 / 4.74	2.4 / 0.04		0.3		ABS 0.0	603	36	323	107	DWR
		3-18-65		622									37 / 1.05									DWR
		9-15-65		1470	8.0	98 / 4.89	65 / 5.34	89 / 3.87	5.5 / 0.14	0 / 0.00	370 / 6.06	46 / 0.96	252 / 7.11	2.7 / 0.04		0.3			784	27	512	209	DWR
W. S. Brinker irrigation	5S/1W-9M1	10-64		1670	8.4	132 / 6.59	48 / 3.96	118 / 5.13	3.8 / 0.15	5 / 0.17	253 / 4.15	38 / 0.79	377 / 10.64	4.4 / 0.07		0.2		ABS 0.0	1020	32	528	312	DWR
		3-18-65		1660									422 / 11.91									DWR
		9-16-65		1810	8.0	120 / 5.99	57 / 4.68	134 / 5.83	6.7 / 0.17	0 / 0.00	184 / 3.02	32 / 0.67	459 / 12.95	4.6 / 0.07		0.2			1210	35	534	383	DWR
L. Roland, Jr. irrigation (ponds)	5S/1W-15C1	10-64		874									57 / 1.61									DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - EAST BAY (2-9.01) (Cont.)																	
L. Roland, Jr.	5S/1W-15C1 (Cont.)	3-18-65		898									78 2.21										DWR
		9-15-65		950									76 2.14										DWR
Pacific Gas & Electric Co. industrial & domestic	5S/1W-17A1	10-1-64		671									27 0.76										DWR
		3-18-65		677									30 0.85										DWR
		9-15-65		521									12 0.34										DWR
Guardian Paper Co. industrial	5S/2W-1J1	9-15-65		3820	7.9	365 18.21	116 9.56	154 6.70	11 0.28	0 0.00	181 2.97	26 0.54	1070 30.18	4.7 0.08		0.2			2800	19	1390	1242	DWR
Westvaco Chemical Co. industrial	5S/2W-1N1	10-64		456	8.5	5.4 0.27	1.1 0.09	93 4.04	0.9 0.02	5 0.17	205 3.36	26 0.54	13 0.37	0.3 0.00		0.2		ABS 0.0	277	91	18	0	DWR
		3-19-65		781									91 2.57										DWR
		9-15-65		451	8.4	6.3 0.31	1.3 0.11	92 4.00	1.0 0.02	4 0.13	206 3.38	25 0.52	14 0.39	0.0 0.00		0.2			274	90	21	0	DWR
Leslie Salt Co. industrial	5S/2W-12B1	3-19-65		564									20 0.56										DWR
T. Mosley irrigation	5S/2W-18E3	10-64		557	8.2	18 0.90	5.6 0.47	99 4.30	3.0 0.08	0 0.00	278 4.56	21 0.44	21 0.59	1.9 0.03		0.2			331	75	68	0	DWR
						SANTA CLARA VALLEY - SOUTH BAY (2-9.02)																	
J. R. Coelho domestic	5S/1E-31E1	7-28-64	68	619	8.4	22 1.10	10 0.82	95 4.13	1.7 0.04	4 0.13	284 4.65	42 0.87	22 0.62	0.5 0.01		0.4			342		96	0	DWR
Hanson industrial	6S/1E-6D1	9-24-64	68	598	7.5	22 1.10	12 1.00	88 3.83	2.5 0.06	0 0.00	263 4.31	48 1.00	19 0.54	0.5 0.01		0.3			334		105	0	DWR
Azzarello irrigation	6S/1E-23M4	8-12-64	62	919									67 1.89			2.4							DWR
Shattuck irrigation	6S/1E-27C2	7-31-64	67	1010									59 1.66	2.0 0.03		1.2							DWR
		9-22-65		865	8.3	45 2.24	23 1.92	106 4.61	2.5 0.06	0 0.00	311 5.10	92 1.92	57 1.61	8.4 0.14		1.3			508	52	208	0	DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - SOUTH BAY (29.02) (Cont.)																	
R. Murray domestic	6S/1E-28A4	7-31-64	65	665	8.6	53 / 2.64	22 / 1.84	56 / 2.44	2.1 / 0.05	12 / 0.40	248 / 4.39	59 / 1.23	32 / 0.90	3.0 / 0.05		0.6			353		224	0	DWR
		7-21-65		681									30 / 0.85			0.6			368				DWR
J. Machado domestic & irrigation	6S/1E-30M1	7-29-64	70	562	8.5	50 / 2.50	15 / 1.24	42 / 1.83	1.5 / 0.04	6 / 0.20	254 / 4.16	33 / 0.69	23 / 0.65	2.6 / 0.03		0.1			292	33	181	0	DWR
		7-21-65	64	823									47 / 1.32			0.2			446				DWR
J. S. Garcia domestic & irrigation	6S/1W-11B1	7-28-64	70	602	8.7	69 / 3.44	18 / 1.48	35 / 1.52	1.5 / 0.04	13 / 0.43	278 / 4.56	37 / 0.77	23 / 0.65	0.2 / 0.00		0.1			304		246	0	DWR
		7-22-65		614									23 / 0.65			0.1			330				DWR
A. French domestic & irrigation	6S/1W-14E1	7-22-65		659									80 / 2.26			0.1			396				DWR
S. Chinchen irrigation	6S/1W-15N3	8-21-64	62	376	8.2	24 / 1.20	9.2 / 0.76	44 / 1.91	0.7 / 0.02	0 / 0.00	193 / 3.16	17 / 0.35	12 / 0.34	0.8 / 0.01		0.1			240	44	98	0	DWR
		7-22-65	70	439									10 / 0.28			0.1			251				DWR
Burrell irrigation	6S/1W-15Q1	7-31-64	70	730	8.6	60 / 2.99	36 / 2.92	48 / 2.09	1.7 / 0.04	12 / 0.40	324 / 5.31	58 / 1.21	31 / 0.87	7.1 / 0.11		0.1			424	26	296	12	DWR
R. T. Collier Corp. industrial	6S/1W-16A1	7-30-64	71	2400	8.0	154 / 7.68	56 / 4.59	206 / 8.96	2.3 / 0.06	0 / 0.00	182 / 2.98	67 / 1.39	588 / 16.59	1.9 / 0.03		0.3		ABS 0.0	1320	42	614	465	DWR
		8-25-65		2640	8.0	172 / 8.58	85 / 6.96	202 / 8.79	3.1 / 0.08	0 / 0.00	126 / 2.06	117 / 2.44	698 / 19.69	0.4 / 0.01		0.3			1750	36	778	611	DWR
C. W. Dunton irrigation	6S/1W-17M1	8-21-64	70	420	8.3	27 / 1.35	9.6 / 0.79	53 / 2.31	0.7 / 0.02	4 / 0.13	216 / 3.54	19 / 0.40	16 / 0.45	0.5 / 0.01		0.1			252	52	107	0	DSGS
		9-23-65		449									14 / 0.39			0.1			237				DWR
F. A. Wilcox Bros. irrigation	6S/1W-20D1	7-22-65	68	472									15 / 0.42										DWR
F. A. Wilcox	6S/1W-28K	9-6-64		537	7.9	63 / 3.14	12 / 1.02	27 / 1.17	1.7 / 0.04	0 / 0.00	250 / 4.10	30 / 0.62	18 / 0.51	4.0 / 0.06		0.2		Se 0.00	305	22	208	3	DWR
[illegible] Construction Co. irrigation	6S/1W-2[illegible]	9-18-64	64	518	8.4	56 / 2.79	18 / 1.45	28 / 1.22	1.2 / 0.03	4 / 0.13	228 / 3.74	47 / 0.98	15 / 0.42	6.6 / 0.11		0.2			318	22	212	18	DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
						SANTA CLARA VALLEY - SOUTH BAY (2-9.02) (Cont.)																	
G. H. Fukumoto domestic & irrigation	6S/1W-29C1	8-21-64	68	504	8.4	47 / 2.35	18 / 1.47	37 / 1.61	1.1 / 0.03	8 / 0.27	226 / 3.70	33 / 0.69	25 / 0.71	6.5 / 0.10		0.1			306	29	191	0	DWR
		7-23-65		566									26 / 0.73			0.2			305				DWR
O. P. Gluhaich domestic & irrigation	6S/1W-31E3	9-24-65	66	574									55 / 1.55			0.2			337				DWR
El Camino Vet. Hosp. domestic	6S/2W-5Q1	1-13-65	48	553	8.6	26 / 1.30	12 / 1.00	78 / 3.39	2.0 / 0.05	18 / 0.60	218 / 3.57	22 / 0.46	38 / 1.07	1.8 / 0.03		0.2		Iron (Dis) 0.12	349	59	115	0	USGS
E. Wagner domestic	6S/2W-6N1	1-13-65	50	1230	8.6	97 / 4.84	49 / 4.04	104 / 4.52	0.9 / 0.02	39 / 1.30	328 / 5.38	131 / 2.73	134 / 3.78	0.5 / 0.01		0.3		Iron (Dis) 0.05	618	34	444	109	USGS
W. N. Suydam domestic	6S/2W-7A1	1-13-65	50	1220	8.6	14 / 0.70	87 / 7.18	109 / 4.74	0.7 / 0.02	22 / 0.73	270 / 4.43	105 / 2.19	145 / 4.09	40 / 0.65		0.5		Iron (Dis) 0.02	664	38	394	137	USGS
Rezentes domestic	6S/2W-9H1	8-25-64	68	551	8.7	38 / 1.90	13 / 1.10	57 / 2.48	1.7 / 0.04	16 / 0.53	236 / 3.87	18 / 0.37	33 / 0.93	0.4 / 0.01		0.2		ABS 0.0	278	45	150	0	DWR
		7-23-65		566									35 / 0.99			0.1			282				DWR
J. Joaquin irrigation	6S/2W-9Q2	8-25-64	66	595	8.3	51 / 2.54	16 / 1.30	50 / 2.18	1.5 / 0.04	0 / 0.00	276 / 4.52	44 / 0.92	24 / 0.68	0.2 / 0.00		0.2			319		192	0	DWR
		7-23-65	67	570									25 / 0.70			0.1			286				DWR
California Water Serv. Company - municipal	6S/2W-20N1	8-26-64	70	633	8.2	43 / 2.14	32 / 2.64	41 / 1.78	1.5 / 0.04	0 / 0.00	312 / 5.11	13 / 0.27	32 / 0.90	7.3 / 0.12		0.2			315		239	0	DWR
D. M. Hom industrial & irr.	6S/2W-24M3	8-24-64	68	519	8.3	35 / 1.75	20 / 1.65	42 / 1.83	1.3 / 0.03	0 / 0.00	238 / 3.90	32 / 0.67	26 / 0.73	0.6 / 0.01		0.6			276		170	0	DWR
		8-27-65		519									25 / 0.70			0.1			270				DWR
Mountain View High School irrigation	6S/2W-29G2	8-25-64	66	824	7.8	74 / 3.69	36 / 2.94	42 / 1.83	1.5 / 0.04	0 / 0.00	387 / 6.34	16 / 0.33	44 / 1.24	26 / 0.42		0.1			453		332	15	DWR
		9-28-65		800									43 / 1.21	29 / 0.47		0.0			432				DWR
H. Mantelli domestic & irrigation	6S/2W-34M1	8-25-64	66	582	7.5	66 / 3.29	24 / 1.99	23 / 1.00	0.9 / 0.02	0 / 0.00	284 / 4.65	23 / 0.48	28 / 0.79	22 / 0.35		0.2			338	16	264	31	USGS
		8-11-65		624									31 / 0.87			0.0							DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Analyzed by
SANTA CLARA VALLEY - SOUTH BAY (2-9.02) (Cont.)																							
N. P. Moerdyke domestic	6S/3W-1G1	1-13-65	44	1100	7.8	77 / 3.84	55 / 4.56	80 / 3.92	1.1 / 0.03	0 / 0.00	564 / 9.24	107 / 2.23	84 / 2.37	36 / 0.58		0.6		Iron (Dis.) 0.01	[illegible]	32	420	0	USGS
J. A. Baptista domestic & irrigation	7S/1E-25A2	7-29-64	72	1030	8.7	62 / 3.09	84 / 6.92	52 / 2.26	0.8 / 0.02	28 / 0.93	475 / 7.78	27 / 0.56	90 / 2.54	11 / 0.18		0.2			585	28	503	65	DWR
		8-19-65		1060	8.6	30 / 1.50	96 / 7.87	54 / 2.35	1.0 / 0.02	22 / 0.73	485 / 7.95	27 / 0.56	83 / 2.34	1.0 / 0.02		0.1			582	26	469	35	DWR
Mayfair Packing Co. irrigation	7S/1W-35H1	10-5-64	64	475	7.6	21 / 2.55	18 / 1.49	18 / 0.78	1.9 / 0.05	0 / 0.00	208 / 3.41	48 / 1.01	13 / 0.37	3.8 / 0.09		0.1			254		202	42	DWR
		9-29-65	60	516	8.5	55 / 2.74	23 / 1.88	17 / 0.74	1.2 / 0.03	6.9 / 0.23	209 / 3.42	56 / 1.16	12 / 0.34	10 / 0.16		0.1			296	14	231	48	DWR
A. Jaca irrigation	7S/2E-6N1	7-29-64	68	1060	8.7	74 / 3.69	19 / 1.60	116 / 5.05	2.7 / 0.07	26 / 0.87	301 / 4.93	162 / 3.37	46 / 1.30	0.7 / 0.01		0.2			540	48	265	0	DWR
		8-20-65		986												0.2			[illegible]				DWR
M. F. Douglass domestic	7S/2E-18B1	7-29-64	68	1190	8.5	59 / 2.94	46 / 3.77	125 / 5.44	2.2 / 0.06	14 / 0.47	428 / 7.01	78 / 1.62	100 / 2.82	18 / 0.29		0.3			614	44	336	1	DWR
		8-19-65		1170												0.3			642				DWR
Yonemoto domestic & irrigation	7S/2E-19E1	7-29-64	66	767	8.3	45 / 2.24	38 / 3.11	80 / 2.61	0.8 / 0.02	0 / 0.00	329 / 5.39	44 / 0.92	42 / 1.18	20 / 0.32		0.1			394	33	268	1	DWR
		8-19-65		872												0.1			474				DWR
H. Gerdts domestic	7S/2E-33C4	7-29-64	64	860	8.8	57 / 2.84	51 / 4.19	54 / 2.35	0.6 / 0.02	24 / 0.80	356 / 5.83	61 / 1.27	41 / 1.16	9.3 / 0.15		0.1			437	25	352	20	DWR
		8-19-65		861												0.1			453				DWR
L. F. Farrow irrigation	8S/1E-4L4	7-25-64	68	472	8.6	44 / 2.20	27 / 2.24	14 / 0.61	1.0 / 0.02	8 / 0.27	220 / 3.60	29 / 0.60	12 / 0.34	8.3 / 0.13		0.1			272	12	222	28	DWR
		8-10-65		450												0.1			226				DWR
San Jose Water Works municipal	8S/1E-10G1	8-10-65	66	279	8.0	32 / 1.60	10 / 0.84	8.7 / 0.32	1.0 / 0.02	0 / 0.00	139 / 2.28	18 / 0.37	6.0 / 0.17	1.1 / 0.02		0.1			160	13	122	8	DWR
Hall irrigation	8S 1E-13L1	7-27-64	70	997	8.2	90 / 4.49	62 / 5.10	37 / 1.61	1.1 / 0.03	0 / 0.00	441 / 7.23	116 / 2.42	29 / 0.82	49 / 0.79		0.2			621	14	480	118	DWR
		8-12-65		713												0.1			394				DWR
Athenour Bros. irrigation	8S/1E-16D1	8-5-64	67	568	8.3	47 / 2.34	34 / 2.81	16 / 0.70	1.1 / 0.03	0 / 0.00	210 / 3.44	51 / 1.06	22 / 0.62	34 / 0.55		0.1			313	12	258	86	DWR
		8-19-65	63	435	8.7	36 / 1.80	25 / 2.06	13 / 0.56	1.2 / 0.03	12 / 0.40	179 / 2.93	34 / 0.71	12 / 0.34	9.0 / 0.14		0.1			230	12	193	23	DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SANTA CLARA VALLEY - SOUTH BAY (2-9.02) (Cont.)																	
C. Fumnatre domestic	8S/1E-17B1	9-16-64	62	475									14 0.39			0.1							DWR
		9-23-65	65	467	8.2	42 2.10	26 2.14	14 0.61	1.1 0.03	0 0.00	2.33 3.82	30 0.62	11 0.31	3.9 0.06		0.1			237	12	212	21	DWR
F. Mazzone domestic & irrigation	8S/1E-27C1	9-15-64	62	759									40 1.13			0.4							DWR
		8-11-65		792	8.1	44 2.20	59 4.89	31 1.35	0.6 0.02	0 0.00	328 5.38	102 2.12	20 0.56	24 0.39		0.3			463	16	355	86	DWR
T. Yuki irrigation	8S/1W-10G1	8-4-64	66	470								35 0.73	20 0.56			0.0							DWR
Briggs irrigation	8S/1W-13A2	7-13-64	65	464	8.3	24 1.20	22 1.82	31 1.35	1.2 0.03	0 0.00	142 2.33	30 0.62	34 0.96	32 0.52		0.1			268	31	151	35	DWR
		8-10-65		468									29 0.82			0.0							DWR
N. Rogers irrigation	8S/1W-15B1	7-31-64	71	685	8.5	60 2.99	36 2.96	27 1.17	1.4 0.04	6 0.20	211 3.46	66 1.37	33 0.93	58 0.94		0.1			400	16	298	114	DWR
		8-10-65	62	704	7.1	60 2.99	33 2.74	28 1.22	1.3 0.03	0 0.00	226 3.70	66 1.37	33 0.93	58 0.94		0.0			422	17	287	102	DWR
IBM Corp. irrigation	8S/2E-7E	8-7-64	65	710	8.2	63 3.14	43 3.51	27 1.17	1.4 0.04	0 0.00	348 5.70	64 1.33	17 0.48	11 0.18		0.1			398	15	333	48	DWR
		8-12-65	64	577	8.2	41 2.04	35 2.88	23 1.00	1.2 0.03	0 0.00	259 4.24	42 0.87	18 0.51	11 0.18		0.1			311	17	246	34	DWR
Rouse domestic	8S/2E-16E1	9-2-64	62	542									16 0.45			0.1							DWR
		8-13-65	62	574	7.8	48 2.40	31 2.54	23 1.00	1.2 0.03	0 0.00	259 4.24	49 1.02	16 0.45	10 0.16		0.0			302	17	247	35	DWR
Kawashima not used	8S/2E-17L2	9-15-64	66	546									16 0.45			0.0							DWR
		8-12-65		570									16 0.45			0.0			303				DWR
Benson domestic	8S/2E-34A1	7-27-64	71	676	8.4	68 3.39	32 2.68	27 1.17	1.1 0.03	4 0.13	266 4.36	74 1.54	18 0.51	39 0.63		0.2			417	16	304	79	DWR
		8-13-65		624	8.2	56 2.79	29 2.42	29 1.26	1.2 0.03	0 0.00	245 4.02	72 1.50	17 0.48	26 0.42		0.1			338	19	261	60	DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Analyzed by
SANTA CLARA VALLEY - SOUTH BAY (2-9.02) (cont.)																							
H. Ranke irrigation	9S/2E-2C1	7-27-64	67	701	8.5	67 3.34	35 2.89	29 1.26	1.1 0.03	7 0.23	280 4.59	54 1.12	29 0.82	43 0.69		0.1			422	31	312	70	DWR
		8-13-65	62	545	8.3	34 1.70	29 2.30	30 1.30	1.1 0.03	0 0.00	205 3.36	48 1.00	21 0.59	21 0.34		0.1			296	24	208	32	DWR
J. Martinez irrigation	9S/3E-22B3	7-27-64	68	472	8.3	39 1.95	23 1.93	22 0.96	1.1 0.03	0 0.00	207 3.39	32 0.67	14 0.39	18 0.29		0.1			267	20	194	24	DWR
		8-10-65		477												0.0			252				DWR
J. Chiri irrigation	9S/3E-36F3	7-27-64	69	480	7.6	44 2.20	18 1.50	25 1.09	1.8 0.05	0 0.00	212 3.47	24 0.50	18 0.51	17 0.27		0.0			280	22	185	11	DWR
		8-17-65	62	478	8.5	40 2.00	23 1.88	24 1.04	1.4 0.04	6 0.20	222 3.64	8.6 0.18	25 0.70	3.0 0.05		0.0			252	21	194	2	DWR
LIVERMORE VALLEY (2-10.00)																							
T. P. Bishop Co. irrigation	2S/1W-22A1	6-21-65	65	1010	8.2	76 3.79	17 1.40	108 4.70	2.5 0.06	0 0.00	302 4.95	13 0.27	158 4.46	0.8 0.01		0.2			540	47	260	12	DWR
City of Livermore industrial & stock	2S/2E-27K1	7-1-64	68	6600	7.4	272 13.57	74 6.07	1010 43.94	2.7 0.07	0 0.00	200 3.28	18 0.37	2130 60.09	1.5 0.02		62			4040	69	983	819	DWR
		6-18-65		6510	7.9	292 14.57	57 4.69	1030 44.80	3.5 0.09	0 0.00	210 3.44	34 0.71	2060 58.11	0.3 0.00		53			4700	70	964	792	DWR
H. Garavente stock	2S/2E-35C1	7-1-64		1800	8.3	12 0.60	15 1.26	390 16.96	0.8 0.02	0 0.00	600 9.83	85 1.77	236 6.66	8.4 0.14		12			1080	90	93	0	DWR
F. Gustanich domestic	2S/2E-35G2	7-1-64		2860	8.3	70 3.49	44 3.62	455 19.79	1.6 0.04	0 0.00	379 6.21	76 1.58	650 18.34	34 0.55		6.8		ABS 0.0	1570	73	356	45	DWR
		6-18-65	66	3040	8.2	65 3.24	56 4.59	455 19.79	2.4 0.06	0 0.00	373 6.11	78 1.62	689 19.44	40 0.64		6.7		ABS 0.0	1680	71	392	86	DWR
R. M. Wing domestic & stock	3S/1W-12G2	6-21-65	59	1200	8.6	109 5.44	57 4.67	67 2.91	0.7 0.02	20 0.67	303 4.97	178 3.70	108 3.05	20 0.32		0.2			814	22	506	225	DWR
Alameda County domestic	3S/1E-3Q1	6-18-65	64	1160	8.4	45 2.24	44 3.61	137 5.96	1.9 0.05	10 0.33	394 6.46	63 1.31	117 3.30	26 0.42		1.9			675	50	293	0	DWR
J. Lima irrigation	3S/1E-8H1	6-17-65	64	958	8.3	39 1.95	40 3.32	104 4.52	2.4 0.06	0 0.00	306 5.02	104 2.16	88 2.48	2.1 0.03		0.8			554	46	264	13	DWR
U. S. Air Force domestic & irrigation	3S/1E-8H3	6-17-65		936	8.1	61 3.04	62 5.09	42 1.83	2.1 0.05	0 0.00	360 5.90	60 1.25	83 2.34	14 0.22		0.4			547	18	407	112	DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Analyzed by
						Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents			Total ppm	NC ppm	
						LIVERMORE VALLEY (2-10.00) (Cont.)																	
E. M. Kamp irrigation	3S/1E-9R2	6-21-65	64	1090	8.4	67 3.34	66 5.43	64 2.78	2.5 0.06	8 0.27	387 6.35	70 1.46	100 2.82	29 0.47		1.0			668	24	439	109	DWR
N. Nielson irrigation	3S/1E-9L1	6-17-65	63	1390	8.2	94 4.69	73 6.00	100 4.35	3.0 0.08	0 0.00	508 8.33	88 1.83	148 4.18	25 0.40		1.7			852	29	535	119	DWR
R. E. Ernestino domestic	3S/1E-9P1	6-23-65		1340	8.3	110 5.49	67 5.48	81 3.52	3.4 0.09	0 0.00	493 8.08	86 1.79	144 4.06	26 0.42		1.4			843	24	549	145	DWR
R. Kaune domestic & irrigation	3S/1E-10E1	6-16-65		1050	8.2	81 4.04	56 4.61	56 2.44	2.4 0.06	0 0.00	399 6.54	60 1.25	95 2.68	24 0.39		0.7			628	22	433	106	DWR
H. J. Kaiser Ind. irrigation	3S/1E-10Q1	6-17-65	64	627	8.1	58 2.89	26 2.11	31 1.35	2.0 0.05	0 0.00	244 4.00	52 1.08	39 1.10	4.9 0.08		0.3			377	21	250	50	DWR
Jamieson irrigation	3S/1E-11E1	6-18-65	64	1320	8.0	78 3.89	87 7.14	65 2.83	2.6 0.07	0 0.00	430 7.05	49 1.02	189 5.33	14 0.22		0.6			825	20	552	199	DWR
E. Hagemann domestic & irrigation	3S/1E-11H1	6-18-65	65	936	8.5	50 2.50	62 5.11	49 2.13	2.1 0.05	7.0 0.23	303 4.97	45 0.94	105 2.96	22 0.35		0.4			565	22	381	121	DWR
California Rock & Gravel Co. - domestic	3S/1E-13P2	6-18-65		715	8.6	55 2.74	28 2.29	55 2.39	1.9 0.05	16 0.53	250 4.10	43 0.90	63 1.78	0.7 0.01		0.8			409	32	252	21	DWR
H. J. Kaiser Inc. domestic	3S/1E-15L1	6-18-65	63	552	8.1	51 2.54	24 1.96	26 1.14	1.7 0.04	0 0.00	222 3.64	40 0.83	30 0.85	13 0.21		0.2			325	20	225	43	DWR
H. C. Bush abondened	3S/1E-16A1	6-17-65		803	8.0	79 3.94	38 3.17	36 1.57	2.9 0.07	0 0.00	378 6.20	54 1.12	33 0.93	12 0.19		0.2			467	18	356	46	DWR
M. Kruse irrigation	3S/1E-17H2	6-17-65		1200	8.0	98 4.89	66 5.40	48 2.09	2.6 0.07	0 0.00	349 5.72	77 1.60	162 4.57	19 0.31		0.5			758	17	515	229	DWR
San Francisco Water Dept. municipal & irr.	3S/1E-19A5	7-1-64	62	404	7.9	67 3.34	28 2.33	32 1.39	1.7 0.04	0 0.00	295 4.84	50 1.04	30 0.85	13 0.21		0.3		ABS 0.0	391	20	284	42	DWR
California Water Service Company municipal	3S/2E-4H1	7-1-64		698	8.2	38 1.90	49 4.01	36 1.57	1.5 0.04	0 0.00	292 4.78	34 0.71	44 1.24	34 0.55		0.4			416	21	296	57	DWR
		6-18-65		726	8.2	44 2.20	49 4.03	33 1.44	2.0 0.05	0 0.00	302 4.95	40 0.83	40 1.13	40 0.64		0.4			442	19	312	64	DWR
J. Schenone irrigation	3S/2E-4M1	7-1-64		2320	7.8	104 5.19	116 9.57	254 11.05	2.3 0.06	0 0.00	598 9.80	434 9.04	255 7.19	0.6 0.01		4.7			1560	43	739	249	DWR
Gondolfo domestic	3S/2E-6P1	6-21-65		1030	8.5	48 2.40	53 4.33	91 3.96	2.6 0.07	16 0.53	356 5.84	72 1.50	94 2.65	8.7 0.14		1.9			591	37	337	19	DWR

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Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
LIVERMORE VALLEY (2-10.00) (Cont.)																							
R. L. Hagemann domestic & irrigation	3S/2E-7K1	7-1-64		770	8.1	44 / 2.20	60 / 4.93	27 / 1.17	1.7 / 0.04	0 / 0.00	340 / 5.57	37 / 0.77	47 / 1.32	29 / 0.47		0.1			433	14	322	28	DWR
		6-18-65	62	761	8.3	49 / 2.44	57 / 4.71	26 / 1.13	2.1 / 0.05	0 / 0.00	344 / 5.64	42 / 0.87	43 / 1.21	29 / 0.47		0.1			427	14	358	0	DWR
California Water Service Company municipal	3S/2E-8H1	7-1-64		632	8.0	34 / 1.70	36 / 2.96	22 / 1.83	1.1 / 0.03	0 / 0.00	239 / 3.85	24 / 0.50	35 / 1.27	23 / 0.69		0.1		ABS 0.1	368	28	232	34	DWR
		6-22-65	70	635	8.4	36 / 1.80	36 / 3.00	23 / 1.61	1.7 / 0.04	4 / 0.13	220 / 3.60	24 / 0.50	26 / 1.30	22 / 0.84		0.08			390	25	240	54	DWR
Amling DeVor Nursery domestic & irrigation	3S/2E-10H1	7-1-64	67	798	8.1	43 / 2.14	31 / 2.52	29 / 3.44	2.0 / 0.05	0 / 0.00	264 / 4.33	22 / 1.08	35 / 2.12	31 / 0.50		1.2		ABS 0.3	464	42	233	12	DWR
		6-18-65		835	8.2	43 / 2.14	33 / 2.70	27 / 3.35	2.3 / 0.06	0 / 0.00	261 / 4.28	28 / 1.21	30 / 2.26	24 / 0.39		1.0			476	41	242	28	DWR
B. G. Wood irrigation	3S/2E-24D1	7-1-64	67	789	8.3	65 / 3.24	35 / 2.87	20 / 2.18	1.8 / 0.05	0 / 0.00	301 / 4.93	28 / 1.21	61 / 1.72	16 / 0.26		0.4		ABS 0.	444	26	306	54	DWR
		6-21-65		768	8.0	62 / 3.09	32 / 2.60	48 / 2.09	2.0 / 0.05	0 / 0.00	275 / 4.51	28 / 1.21	60 / 1.69	14 / 0.22		0.2			426	27	285	59	DWR
J. Amaral	3S/3E-19C1	6-18-65		1040	8.4	32 / 1.60	46 / 3.79	238 / 11.22	3.0 / 0.08	14 / 0.47	492 / 8.07	103 / 2.14	212 / 5.98	0.2 / 0.00		0.9			984	62	240		DWR

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Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						CENTRAL COASTAL REGION (No. 3)																	
						PAJARO VALLEY (3-2.00)																	
S. H. Gandrup domestic & irrigation	11S/2E-27A1	9-22-64		712									54 / 1.52										DWR
		9-24-65		694	8.3	76 / 3.79	22 / 1.84	42 / 1.83		0 / 0.00	307 / 5.03		54 / 1.52			0.0				24	282	30	DWR
Western Frozen Foods domestic & irrigation	12S/1E-1R1	10-6-64		465									15 / 0.42										DWR
F. T. Blake domestic & irrigation	12S/1E-11L2	10-6-64	65	424									19 / 0.54										DWR
State Beaches & Parks domestic	12S/1E-11N1	9-22-64		448									29 / 0.82										DWR
		9-23-65		473	8.2	30 / 1.50	28 / 2.28	22 / 0.96		0 / 0.00	155 / 2.54		40 / 1.13			0.0				20	189	62	DWR
J. Rocha, Jr. irrigation	12S/1E-14J1	10-6-64	64	439									37 / 1.04										DWR
		9-23-65		815									110 / 3.10	16 / 0.26									DWR
E. L. Padden domestic	12S/1E-23R1	9-23-65		588									25 / 0.70										DWR
H. Trafton irrigation	12S/1E-24G1	9-22-65		516									22 / 0.62										DWR
		9-23-65		493	8.4	36 / 1.80	28 / 2.32	27 / 1.17		5 / 0.17	231 / 3.79		23 / 0.65			0.0				22	206	8	DWR
Galen & Foster domestic & irrigation	12S/1E-24Q1	9-22-64		532									32 / 0.90										DWR
		9-23-65		482									21 / 0.59										DWR
A. L. Waugaman irrigation	12S/2E-7K1	10-6-64		473									17 / 0.48										DWR
		9-23-65		496									17 / 0.48										DWR
Mine irrigation	12S/2E-18A3	10-6-64	68	1410									15 / 0.42										DWR

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Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						PAJARO VALLEY (3-2.01) (Cont.)																	
City of Watsonville domestic & industrial	12S/2E-18K2	9-22-64		452									13 / 0.37										DWR
		9-24-65		430	8.6	42 / 2.10	18 / 1.46	24 / 1.04		9 / 0.30	192 / 3.15		13 / 0.37			0.1				23	178	5	DWR
J. Fenoglio domestic & irrigation	12S/2E-30N1	8-14-64	66	766									72 / 2.03	82 / 1.32									DWR
		8-24-65		644	8.5	46 / 2.30	30 / 2.46	46 / 2.00	2.6 / 0.07	6 / 0.20	155 / 2.54	47 / 0.98	73 / 2.06	58 / 0.94		0.0			427	29	238	101	DWR
Renger domestic	12S/2E-31A1	9-23-64		433									45 / 1.27										DWR
		9-24-65		517									46 / 1.30										DWR
Zunino - Tornavaca irrigation	12S/2E-31K1	8-11-64		1290									247 / 6.97										DWR
		8-24-65	69	1500	8.6	105 / 5.24	66 / 5.45	83 / 3.61	5.1 / 0.13	12 / 0.40	176 / 2.88	77 / 1.60	321 / 9.06	15 / 0.24		0.2			894	25	535	371	DWR
Johnson irrigation	12S/2E-32K1	9-23-64		532									81 / 2.28										DWR
Dr. Rogers irrigation	12S/2E-32J1	9-24-65		595	8.7	45 / 2.24	30 / 2.50	40 / 1.74		16 / 0.53	226 / 3.70		32 / 0.90			0.1				27	237	45	DWR
G. Hurley irrigation	12S/2E-32N1	8-14-64	71	623	8.5	31 / 1.55	39 / 3.21	42 / 1.83	2.5 / 0.06	6 / 0.20	263 / 4.31	43 / 0.90	40 / 1.13	2.2 / 0.04		0.3			364	28	238	12	DWR
Tanimura Bros. irrigation	12S/3E-9Q1	9-25-65		1690									169 / 4.77			1.5							DWR
C. McGinnis domestic & irrigation	12S/3E-19M1	8-31-65		378				38 / 1.65					60 / 1.69										DWR
H. Fukuba irrigation	12S/3E-30A1	8-31-65		506									73 / 2.06										DWR
Hurley domestic & irrigation	13S/1E-1A1	8-14-64		1990									446 / 12.58										DWR
		7-20-65	66	2160	8.2	137 / 6.84	102 / 8.42	121 / 5.26	6.0 / 0.15	0 / 0.00	188 / 3.08	116 / 2.42	524 / 14.78	4.8 / 0.08		0.2			1310	25	764	610	DWR
	13S/2E-1K1	9-1-65	65	267	8.0	14 / 0.70	8.0 / 0.66	25 / 1.09	1.1 / 0.03	0 / 0.00	77 / 1.26	4.3 / 0.09	27 / 0.76	24 / 0.39		0.0			194	44	68	5	DWR

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Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
								PAJARO VALLEY (3-2.00) (Cont.)															
J. H. Struve irrigation	13S/2E-5M1	8-24-65	63	1180	8.5	69 / 3.44	34 / 4.33	92 / 4.00	4.5 / 0.12	14 / 0.47	222 / 3.64	185 / 3.85	112 / 3.16	52 / 0.84		0.2			723	33	394	183	DWR
C. H. Hurley irrigation	13S/2E-6E2	8-14-64	66	1640									354 / 9.99	35 / 0.56									DWR
		7-20-65	68	1460		55 / 2.74	53 / 4.33	154 / 6.70	5.2 / 0.13	4 / 0.13	108 / 1.77	105 / 2.19	311 / 8.77	30 / 0.48		0.2			826	48	354	259	DWR
F. Capurro & Sons irrigation	13S/2E-6P1	9-23-64		1030									153 / 4.32										DWR
		9-24-65		1320	8.5	19 / 0.95	57 / 0.47	235 / 10.22		8 / 0.27	197 / 3.23		238 / 6.71			0.2				88	71	0	DWR
Monterey Bay Salt Co. domestic & industrial	13S/2E-7R1	7-20-65		932				166 / 7.22					111 / 3.13			0.2							DWR
								GILROY-HOLLISTER BASIN (3-3.00)															
T. Andrade irrigation	9S/3E-25N3	6-8-65	60	408									27 / 0.43										DWR
P. L. Hudson irrigation	10S/3E-1E2	6-8-65	60	479									50 / 0.79										DWR
J. Orlando domestic & irrigation	10S/3E-23J1	6-8-65		457	7.7	31 / 1.55	26 / 2.17	18 / 0.78		0 / 0.00	184 / 3.02		21 / 0.59			0.0				17	186	35	DWR
E. H. Henderson domestic & irrigation	10S/3E-26J1	6-8-65		450									30 / 0.48										DWR
Vowinkel domestic	10S/4E-17F1	6-8-65		751				50 / 2.18					48 / 1.35			0.1							DWR
E. Nichols domestic & irrigation	10S/4E-18G2	6-8-65	61	497	7.5	38 / 1.90	26 / 2.18	18 / 0.78		0 / 0.00	210 / 3.44		15 / 0.42			0.0				16	204	32	DWR
W. Benzi domestic & irrigation	10S/4E-18J1	6-8-65	61	451				24 / 1.04					17 / 0.48			0.1							DWR
D. Wolfe domestic & irrigation	10S/4E-28D2	6-8-65		560				33 / 1.44					33 / 0.93			0.0							DWR
S. Armendariz domestic & irrigation	10S/4E-34L5	6-8-65		791	7.0	56 / 2.79	41 / 3.34	47 / 2.04		0 / 0.00	329 / 5.39		47 / 1.32			0.0				25	307	37	DWR
J. Santos irrigation	11S/4E-3L2	6-8-65		1030				62 / 2.70					60 / 1.69			0.2							DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
GILROY-HOLLISTER BASIN (3-3.00) (Cont.)																							
G. Hosang irrigation	11S/4E-4Q3	6-8-65		786									65 1.84										DWR
J. D. Fair domestic	11S/4E-21B2	6-8-65		768	8.4	75 3.74	42 3.43	28 1.22		4 0.13	328 5.38		26 0.73			0.1				14	359	81	DWR
C. R. Lanini domestic	11S/5E-27M1	6-9-65		551	7.7	47 2.34	26 2.12	27 1.17		0 0.00	249 4.08		24 0.68			0.2				21	223	19	DWR
Ferry Morse Seed Co. irrigation	12S/4E-34P2	6-8-65		2470	7.8	267 13.32	88 7.26	186 8.09		0 0.00	493 8.08		298 8.41			0.5				28	1030	626	DWR
Olympia School domestic	12S/4E-35C1	6-8-65		1790									381 7.93			1.0							DWR
M. Diaz domestic	12S/4E-36G1	6-8-65		2280	8.0	108 5.39	158 13.03	210 9.14		0 0.00	706 11.57		160 4.51			1.3				33	922	343	DWR
W. Daly irrigation	12S/5E-9N2	6-9-65		2030	7.7	90 4.49	126 10.39	182 7.92		0 0.00	498 8.16		176 4.96			1.1				35	745	337	DWR
Amis & Kelley domestic	12S/5E-28P1	3-9-65	64	1340	8.5	68 3.39	77 6.31	130 5.66	2.4 0.06	18 0.60	482 7.90	182 3.79	86 2.43	5.6 0.09		0.7			836	37	485	60	DWR
		4-1-65	65	1460	8.7	67 3.34	90 7.41	127 5.52		25 0.83	567 9.29	174 3.62		4.1 0.07					948		538		DWR
		5-3-65	62	1430	8.7	69 3.44	84 6.87	135 5.87		36 1.20	488 8.00	184 3.83		1.2 0.02					908		516		DWR
		6-1-65	60	1520	8.4	75 3.74	98 8.07	141 6.13		17 0.57	531 8.70	276 5.75		0.0 0.00					1010		591	128	DWR
		7-2-65	64	1490	8.0	71 3.54	90 7.45	131 5.70	3.7 0.09	0 0.00	580 9.51	234 4.87	85 2.40	2.1 0.03		0.8			921	34	550	74	DWR
		8-11-65	69	1470	7.9	68 3.39	89 7.31	129 5.61		0 0.00	494 8.10	265 5.52		2.0 0.03					917		536		DWR
		9-2-65	70	1490	8.4	67 3.34	93 7.67	132 5.74		13 0.43	492 8.06	273 5.68	93 2.62	2.3 0.04					969		551		DWR
F. Freitas & Furtado irrigation	12S/5E-33A1	6-9-65		1970	8.0	95 4.79	133 10.94	184 8.00		0 0.00	966 15.83		103 2.90			0.9				34	785	0	DWR
P. Nunes domestic	12S/5E-33C1	3-9-65	60	1110	8.6	38 1.90	64 5.26	115 5.00	3.8 0.10	28 0.93	320 5.24	194 4.04	76 2.14	3.5 0.06		0.7			714	41	358	50	DWR
		4-1-65	55	1220	8.7	51 2.54	65 5.35	118 5.13		15 0.50	404 6.62	176 3.66		1.5 0.02					788		395		DWR
		5-3-65	58	1220	8.6	50 2.50	67 5.49	121 5.26		23 0.77	390 6.39	170 3.54		0.0 0.00					769		400		DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						GILROY-HOLLISTER BASIN (3-3.00) (Cont.)																	
P. Nunes domestic	12S/5E-33C1 (Cont.)	6-1-65	60	1220	8.5	54 / 2.69	70 / 5.78	120 / 5.22		21 / 0.70	415 / 6.80	191 / 3.98		1.6 / 0.02					792		424	49	DWR
		7-2-65	64	1230	8.0	54 / 2.69	65 / 5.38	114 / 4.96	5.1 / 0.13	0 / 0.00	433 / 7.10	195 / 4.06	74 / 2.09	0.6 / 0.01		0.7			754	38	404	49	DWR
		8-11-65	78	1230	7.9	53 / 2.64	66 / 5.43	118 / 5.13		0 / 0.00	432 / 7.08	192 / 4.00		0.9 / 0.01					753		406		DWR
		9-2-65	63	1220	8.3	50 / 2.50	68 / 5.61	119 / 5.18		0 / 0.00	447 / 7.33	192 / 4.00	73 / 2.06	0.7 / 0.01					784		406		DWR
S. M. Lopez irrigation	12S/5E-33D4	3-9-65	64	2080	8.4	71 / 3.54	113 / 9.26	250 / 10.88	7.2 / 0.18	24 / 0.80	550 / 9.01	452 / 9.41	172 / 4.85	12 / 0.19		1.0			1310	46	640	150	DWR
		4-1-65	65	2120	8.5	73 / 3.64	113 / 9.29	235 / 10.22		9 / 0.30	565 / 9.26	388 / 8.08		15 / 0.24					1430		647		DWR
		5-3-65	64	2150	8.5	73 / 3.64	97 / 7.97	258 / 11.22		16 / 0.53	552 / 9.05	412 / 8.58		10 / 0.16					1410		581		DWR
		6-1-65	62	2190	8.5	67 / 3.34	123 / 10.09	274 / 11.92		17 / 0.57	565 / 9.26	442 / 9.20		8.2 / 0.13					1480		672	181	DWR
		7-2-65	66	2210	8.3	70 / 3.49	114 / 9.42	262 / 11.39	8.7 / 0.22	0 / 0.00	564 / 9.24	456 / 9.49	200 / 5.64	15 / 0.24		1.0			1460	46	646	184	DWR
		8-11-65		2230	8.1	72 / 3.59	116 / 9.53	258 / 11.22		0 / 0.00	568 / 9.31	462 / 9.62		0.0 / 0.00					1480		655		DWR
		9-2-65	63	2220	8.4	67 / 3.34	117 / 9.61	274 / 11.92		13 / 0.43	545 / 8.93	463 / 9.64	210 / 5.92	15 / 0.24					1480		648		DWR
L. Chapel domestic & irrigation	12S/5E-33F1	3-10-65	61	1770	8.2	85 / 4.24	133 / 10.96	154 / 6.70	7.2 / 0.18	0 / 0.00	772 / 12.65	284 / 5.91	97 / 2.74	1.3 / 0.02		1.0	36		988	30	760	127	DWR
		4-1-65	58	1870	8.4	77 / 3.84	130 / 10.68	167 / 7.26		9 / 0.30	793 / 13.00	280 / 5.83		0.0 / 0.00					1260		727		DWR
		5-3-65	57	2010	8.4	96 / 4.79	150 / 12.31	167 / 7.26		13 / 0.43	852 / 13.96	309 / 6.43		0.0 / 0.00					1320		856		DWR
		6-1-65	63	1910	8.6	93 / 4.64	137 / 10.94	184 / 8.00		21 / 0.70	872 / 14.29	259 / 5.39		0.5 / 0.01					1280		798	49	DWR
		7-2-65	65	1760	8.1	85 / 4.24	113 / 9.31	162 / 7.05	4.9 / 0.12	0 / 0.00	793 / 13.00	238 / 4.96	92 / 2.60	0.2 / 0.00		0.9			1150	34	678	28	DWR
		8-11-65	71	1720	8.1	80 / 3.99	106 / 8.72	167 / 7.26		0 / 0.00	700 / 11.47	268 / 5.58		0.0 / 0.00					1080		634		DWR
		9-2-65	66	1740	8.1	79 / 3.94	112 / 9.19	167 / 7.26		0 / 0.00	806 / 13.21	225 / 4.68	91 / 2.57	1.5 / 0.02					1120		657		DWR
R. Lico irrigation	12S/5E-33H2	3-9-65	60	1520	8.9	50 / 2.50	101 / 8.30	156 / 6.79	3.6 / 0.09	53 / 1.77	492 / 8.06	240 / 5.00	104 / 2.93	8.2 / 0.13		0.9			992	38	540	48	DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						GILROY-HOLLISTER BASIN (3-3.00) (Cont.)																	
R. Lico irrigation	12S/5E-33H2 (Cont.)	4-1-65	60	1870	8.0	84 / 4.19	128 / 10.53	167 / 7.26		0 / 0.00	872 / 14.29	223 / 4.64		2.4 / 0.04					1210		636		DWR
		5-3-65	65	1860	8.3	54 / 2.69	126 / 10.40	166 / 7.22		0 / 0.00	867 / 14.21	210 / 4.37		6.0 / 0.10					1210		655		DWR
		6-1-65	64	1890	8.2	46 / 2.30	126 / 10.41	152 / 6.61		0 / 0.00	817 / 13.39	248 / 5.16		7.2 / 0.12					1190		636	0	DWR
		7-2-65	66	1980	8.0	98 / 4.89	136 / 11.23	162 / 7.05	4.5 / 0.12	0 / 0.00	818 / 13.41	308 / 6.41	115 / 3.24	8.7 / 0.14		1.0			1300	30	807	136	DWR
		8-11-65	66	2060	7.8	107 / 5.34	138 / 11.35	176 / 7.66		0 / 0.00	733 / 12.01	385 / 8.02		7.6 / 0.12					1380		834		DWR
		9-2-65	62	2150	8.2	106 / 5.29	146 / 11.97	174 / 7.57		0 / 0.00	720 / 11.80	453 / 9.43	152 / 4.29	13 / 0.21					1450		864		DWR
J. Gonzales domestic	12S/5E-34N1	3-9-65	57	1190	8.2	58 / 2.89	64 / 5.27	105 / 4.57	2.6 / 0.07	0 / 0.00	374 / 6.13	228 / 4.75	76 / 2.14	5.4 / 0.09		0.7			735	36	408	101	DWR
		4-1-65	54	1210	8.6	52 / 2.59	65 / 5.36	112 / 4.81		12 / 0.40	347 / 5.69	214 / 4.46		6.2 / 0.10					780		398		DWR
		5-3-65	57	1220	8.6	52 / 2.59	66 / 5.46	114 / 4.96		9 / 0.30	358 / 5.87	206 / 4.29		6.4 / 0.10					786		403		DWR
		6-1-65	60	1200	8.3	52 / 2.59	72 / 5.88	113 / 4.92		0 / 0.00	381 / 6.24	221 / 4.66		6.0 / 0.10					772		424	112	DWR
		7-2-65	66	1200	8.2	54 / 2.69	65 / 5.38	108 / 4.70	3.5 / 0.09	0 / 0.00	368 / 6.03	224 / 4.66	75 / 2.12	5.4 / 0.09		0.6			752		404	102	DWR
		8-11-65	72	1230	7.9	52 / 2.59	68 / 5.59	112 / 4.87		0 / 0.00	368 / 6.03	228 / 4.75		3.9 / 0.06					733		412		DWR
		9-2-65	62	1220	8.5	53 / 2.64	68 / 5.63	114 / 4.96		11 / 0.37	357 / 5.85	230 / 4.79	79 / 2.23	6.1 / 0.10					766		414		DWR
P. Ravella domestic & irrigation	12S/5E-36A1	6-9-65		1340									152 / 4.29			1.5							DWR
S. Brandon domestic & stock	12S/6E-7M2	6-9-65		440	7.5	19 / 0.95	12 / 0.95	55 / 2.39		0 / 0.00	231 / 3.79		22 / 0.62			0.8				56	95	0	DWR
E. F. Broadfoot & Son domestic	12S/6E-19E2	6-9-65		1540									311 / 8.77			18							DWR
C. T. Pillsbury domestic & irrigation	12S/6E-31B1	6-9-65		2270	8.1	53 / 2.64	61 / 5.03	368 / 16.01		0 / 0.00	596 / 9.77		352 / 9.93			3.3				68	384	0	DWR
V. Lompas irrigation	13S/5E-11B5	6-9-65		1580								311 / 6.48	131 / 3.70			0.8							DWR
V. Lompas irrigation	13S/5E-11G1	6-9-65		1440								264 / 5.50	115 / 3.24			0.8							DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
								SALINAS VALLEY (3-4.00)															
R. M. Check domestic & irrigation	13S/2E-13N1	9-1-65		238				28 1.22					36 1.02										DWR
Dellino & Calcagno domestic & irrigation	13S/2E-17H1	7-21-64	66	1580	8.4	70 3.49	42 3.50	172 7.48	8.6 0.22	7 0.23	195 3.20	40 0.83	371 10.46	4.0 0.06		0.2			926	51	350	178	DWR
		7-20-65	66	1510	8.7	74 3.69	35 2.90	172 7.48	9.5 0.24	18 0.60	170 2.79	37 0.77	350 9.87	3.4 0.05		0.2			937	52	330	161	DWR
T. Leonardini domestic & irrigation	13S/2E-19R1	7-21-64		1110									214 6.04										DWR
		7-21-65		1070									207 5.84										DWR
California Artichoke & Vegetable Growers domestic & irrigation	13S/2E-20R2	7-21-64	72	1040									190 5.36										DWR
		7-21-65		932									160 4.51										DWR
Permanente industrial	13S/2E-29C4	8-13-64	68	1540	5.1	56 2.79	26 2.15	169 7.35	3.0 0.08	0 0.00	0 0.00	71 1.48	280 7.90	244 3.94		0.1			907	59	247	247	DWR
J. J. King irrigation	13S/2E-31D2	7-21-64	71	890									173 4.88										DWR
		7-21-65		962				114 4.96					184 5.19										DWR
Molera Estate domestic	13S/2E-31K2	7-22-64	70	635									69 1.95										DWR
		7-21-65		586									64 1.80										DWR
E. Bellone irrigation	13S/2E-31M2	7-22-64	71	775									118 3.33										DWR
		8-11-65		1480									336 9.48										DWR
E. Bellone irrigation	13S/2E-31N2	7-22-64	72	1220									247 6.97										DWR
		7-21-65		1190									270 7.62										DWR
irrigation	13S/2E-32A2	7-21-64	74	623									72 2.03										DWR
		7-21-65		534									74 2.09										DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million												Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$		Analyzed by
						Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents			Total ppm	N/C ppm	
									SALINAS VALLEY (3-4.00) (Cont.)													
O. P. Overhouse irrigation	13S/2E-32C1	7-21-64	67	558									56 / 1.58									DWR
		7-21-65		527									55 / 1.55									DWR
Molera Estate irrigation	13S/2E-32N1	7-23-64	69	612									62 / 1.75									DWR
		8-11-65		548				77 / 3.35					66 / 1.86									DWR
C. Rissotti irrigation	13S/2E-33R1	7-23-64	67	923	8.5	84 / 4.19	31 / 2.56	60 / 2.61	3.3 / 0.08	9 / 0.30	230 / 3.77	100 / 2.08	103 / 2.90	18 / 0.29		0.1			598	28	338	135	DWR
		7-22-65	66	613	8.7	54 / 2.69	16 / 1.29	52 / 2.26	3.6 / 0.09	10 / 0.33	188 / 3.08	46 / 0.96	62 / 1.75	3.0 / 0.05		0.2			364	36	199	29	DWR
R. Hollenbeck domestic & irrigation	13S/3E-4L1	9-1-65	67	345	8.1	19 / 0.95	6.7 / 0.55	36 / 1.57	1.1 / 0.03	0 / 0.00	90 / 1.48	1.8 / 0.04	48 / 1.35	12 / 0.19		0.1			222	51	89	1	DWR
C. Lightfoot domestic & irrigation	13S/3E-29A1	9-1-65	69	491	8.2	21 / 1.05	9.1 / 0.75	55 / 2.39	1.5 / 0.04	0 / 0.00	63 / 1.03	1.5 / 0.03	101 / 2.85	13 / 0.21		0.0			310	56	90	38	DWR
Mrs. Fogg domestic	14S/1E-24Q2	9-3-65		1350									144 / 4.06									DWR
Marina Del Mar School domestic & irrigation	14S/1E-25K1	9-2-65	65	593	7.8	33 / 1.65	12 / 1.01	51 / 2.22	2.1 / 0.05	0 / 0.00	37 / 0.61	4.1 / 0.08	108 / 3.05	56 / 0.90		0.0			376		133	103	DWR
L. Martin irrigation	14S/2E-6Q1	8-13-64	73	571									56 / 1.58									DWR
		7-22-65		561									58 / 1.64									DWR
E. Struve domestic & irrigation	14S/2E-6R2	7-22-65		547									52 / 1.47									DWR
J. Jefferson irrigation	14S/2E-8M2	8-13-64	72	492									47 / 1.32			0.0						DWR
		8-18-65		459									46 / 1.30			0.1						DWR
D. V. Orcutt irrigation	14S/2E-9K1	8-7-64	68	1470									318 / 8.97									DWR
		8-18-65		2660									712 / 20.08									DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
						equivalents per million																	
								SALINAS VALLEY (3-4.00) (Cont.)															
J. P. Rodgers irrigation	14S/2E-11D1	7-31-64	66	592									54 / 1.52										DWR
		8-9-65		593									57 / 1.61										DWR
E. C. Eaton domestic & irrigation	14S/2E-12Q1	8-5-64	67	533									40 / 1.13										DWR
		8-9-65		523									40 / 1.13										DWR
L. A. Wilder domestic	14S/2E-14N1	7-29-64	70	618									59 / 1.66										DWR
		7-28-65		388									26 / 0.73										DWR
Monterey County Bank irrigation	14S/2E-15L1	7-29-64	63	640									42 / 1.18										DWR
		7-27-65		614									37 / 1.04			0.0							DWR
J. W. Orcutt irrigation	14S/2E-16A1	7-27-65		675									50 / 1.41			0.2							DWR
J. G. Armstrong Co. irrigation	14S/2E-18D1	7-24-64	64	1450	8.3	122 / 6.09	46 / 3.82	104 / 4.52	4.6 / 0.12	0 / 0.00	247 / 4.05	200 / 4.16	224 / 6.32	6.6 / 0.11		0.2			930	31	496	294	DWR
A. H. Bordzee irrigation	14S/2E-23J1	8-7-64	70	900	8.3	60 / 2.99	30 / 2.50	77 / 3.35	5.0 / 0.13	0 / 0.00	165 / 2.70	143 / 2.98	105 / 2.96	6.7 / 0.11		0.2			573	37	275	140	DWR
		7-28-65	70	918	8.2	74 / 3.69	25 / 2.06	75 / 3.26	5.1 / 0.13	0 / 0.00	174 / 2.85	138 / 2.87	108 / 3.05	7.9 / 0.13		0.2			695	36	288	145	DWR
M. T. De Serpa irrigation	14S/2E-25B1	7-31-64	65	1110									184 / 5.19			0.2							DWR
A. Goodall domestic	14S/2E-30P2	9-2-65	65	558									79 / 2.23										DWR
D. P. McFadden irrigation	14S/2E-35Q1	7-29-64	71	467									16 / 0.45										DWR
		7-28-65		467																			DWR
A. Lanini irrigation	14S/3E-30E1	7-31-64	62	1710								225 / 4.68	325 / 9.17										DWR
		8-9-65	67	1980								229 / 4.77	338 / 9.53			0.3							DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductonce (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SALINAS VALLEY (3-4.00) (Cont.)																	
Pacific Gas & Electric municipal	14S/3E-33G1	8-26-64	68	621	8.3	72 / 3.59	6.0 / 0.49	46 / 2.00	2.6 / 0.07	0 / 0.00	164 / 2.69	19 / 0.40	91 / 2.57	17 / 0.27		0.6			389	32	204	70	DWR
		8-24-65	72	786	8.8	68 / 3.39	22 / 1.84	63 / 2.74	3.3 / 0.08	18 / 0.60	172 / 2.82	85 / 1.77	94 / 2.65	7.3 / 0.12		0.1			513	34	262	85	DWR
P. Calabrese domestic	15S/1E-22C1	9-3-65	65	881	8.6	57 / 2.84	20 / 1.66	88 / 3.83	4.4 / 0.11	8 / 0.27	198 / 3.24	63 / 1.31	122 / 3.44	4.2 / 0.07		0.0			509	45	225	50	DWR
O. Veach domestic	15S/1E-23G1	9-3-65	66	736									131 / 3.70										DWR
J. Siino domestic	15S/1E-26N2	9-3-65	64	537	8.0	19 / 0.95	9.6 / 0.79	59 / 2.57	2.1 / 0.05	0 / 0.00	60 / 0.98	15 / 0.31	90 / 2.54	28 / 0.45		0.0			314	59	87	38	DWR
A. M. Dolan domestic & irrigation	15S/2E-1A3	7-30-64	65	453									13 / 0.37										DWR
		7-30-65		434																			DWR
L. Jacke irrigation	15S/2E-2Q1	8-14-64	65	1070								240 / 5.00	75 / 2.12										DWR
D. McFadden irrigation	15S/3E-4K3	8-6-64	70	648									37 / 1.04										DWR
		8-4-65		612																			DWR
H. Teraji irrigation	15S/3E-5Q4	8-4-65	63	2360								703 / 14.64	251 / 7.08			0.7							DWR
Spreckels Sugar Co. irrigation	15S/3E-16M1	8-12-64		1120	8.2	133 / 6.64	44 / 3.65	51 / 2.22	3.8 / 0.10	0 / 0.00	354 / 5.80	220 / 4.58	65 / 1.83	1.2 / 0.02		0.1			752	18	515	225	DWR
J. Violini irrigation	15S/3E-17P1	8-11-64	64	1320	8.2	133 / 6.64	48 / 3.91	96 / 4.18	14 / 0.36	0 / 0.00	626 / 10.26	46 / 0.96	115 / 3.24	7.4 / 0.12		0.1			771	28	528	15	DWR
J. Hugo domestic	16S/2E-1L1	9-8-65		622																			DWR
Corral de Tierra Country Club domestic & irrigation	16S/2E-3J1	9-13-65	64	920	8.5	83 / 4.14	19 / 1.53	71 / 3.09	3.6 / 0.09	8 / 0.27	245 / 4.02	45 / 0.94	126 / 3.55	2.8 / 0.04		0.0			534	35	284	70	DWR
K. R. Nutting irrigation	16S/4E-24A1	8-13-64	60	1720	8.2	135 / 6.74	72 / 5.93	137 / 5.96	4.6 / 0.12	0 / 0.00	278 / 4.56	444 / 9.24	132 / 3.72	61 / 0.98		0.4			1160	32	634	406	DWR
		8-9-65	62	1690	8.1	130 / 6.49	74 / 6.10	125 / 5.44	4.4 / 0.11	0 / 0.00	318 / 5.21	404 / 8.41	124 / 3.50	50 / 0.81		0.3			1150	30	630	369	DWR

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
									SALINAS VALLEY (3-4.00) (Cont.)														
J. C. Twisselman Irrigation	16S/6E-25K1	8-6-65		1100								226 / 4.70	56 / 1.58			0.3							DWR
C. Bond Irrigation	17S/5E-9Q1	8-4-65	60	652	8.2	74 / 3.69	22 / 1.78	28 / 1.22	2.5 / 0.06	0 / 0.00	230 / 3.77	111 / 2.31	27 / 0.76	1.9 / 0.03		0.0			393	18	274	85	DWR
Field Estates Irrigation	17S/5E-14D1	10-8-64		614	7.8	53 / 2.64	14 / 1.18	50 / 2.18	3.3 / 0.08	0 / 0.00	199 / 3.26	72 / 1.50	46 / 1.24	0.4 / 0.01		0.1		Al 0.01 As 0.00 Ca 0.00 Pb 0.00 Mn 0.00 Zn 0.00 Fe 0.08 (Total)	370	36	191	28	DWR
W. Ramon Irrigation	17S/6E-7Q1	8-4-65		726	8.5	60 / 2.99	24 / 1.97	52 / 2.26	3.4 / 0.09	8 / 0.27	174 / 2.85	105 / 2.19	62 / 1.75	4.1 / 0.07		0.1			440	31	248	92	DWR
N. Baker Irrigation	17S/6E-27E1	7-28-64	64	1180	8.0	81 / 4.04	48 / 3.97	100 / 4.35	3.5 / 0.09	0 / 0.00	230 / 3.77	294 / 6.12	86 / 2.43	7.6 / 0.12		0.4			782	35	401	212	DWR
		8-31-65	62	1200	8.3	77 / 3.84	50 / 4.09	100 / 4.35	3.4 / 0.09	4 / 0.13	234 / 3.84	281 / 5.85	84 / 2.37	6.9 / 0.11		0.3			791	35	397	198	DWR
M. Baker Irrigation	17S/6E-35F1	7-28-64	62	1130								269 / 5.60	76 / 2.14	0.5 / 0.01		0.7							DWR
		8-31-65	63	1080								253 / 5.27	76 / 2.14			0.7							DWR
L. M. Jacks Irrigation	18S/6E-1E1	7-27-64	61	760									38 / 1.07			0.3							DWR
		7-30-65		760												0.3							DWR
L. Jacks Irrigation	18S/6E-2N1	7-30-65	61	1200								295 / 6.14	73 / 2.06										DWR
E. Pincini Irrigation	18S/7E-29G1	9-3-64	61	2990	7.9	332 / 16.56	129 / 10.61	154 / 6.70	6.0 / 0.15	0 / 0.00	378 / 6.20	839 / 17.47	319 / 9.00	33 / 0.53		0.4			2290	20	1360	1050	DWR
Salinas Land Co. Irrigation	19S/7E-10P1	7-27-65	62	910	8.3	64 / 3.19	40 / 3.28	50 / 2.18	2.2 / 0.06	0 / 0.00	177 / 2.90	98 / 2.04	123 / 3.47	14 / 0.22		0.1			582	25	324	179	DWR
D. M. Bingaman domestic & Irr.	19S/7E-13D2	7-28-65		1640	8.3	89 / 4.44	80 / 6.59	154 / 6.70	3.1 / 0.08	0 / 0.00	377 / 6.18	398 / 8.29	91 / 2.57	43 / 0.69		0.5			1100	38	552	243	DWR
Gordon Williamson Irrigation	19S/8E-32A1	7-27-65	64	3570								1210 / 25.19	323 / 9.11			1.8							DWR
G. Rossa Irrigation	19S/8E-33R1	7-27-65	64	3140								1020 / 21.24	308 / 8.69			1.8							DWR

TABLE E-1
ANALYSES OF GROUND WATER

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ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						SALINAS VALLEY (3-4.00) (Cont.)																	
A. Durate Irrigation	20S/8E-5R1	9-14-64	65	1700	8.3	104 / 5.19	55 / 4.56	172 / 7.48	4.4 / 0.11	0 / 0.00	258 / 4.23	400 / 8.33	178 / 5.02	16 / 0.26		1.0		Al 0.46 As 0.00 Cu 0.02 Pb 0.00 Mn 0.00 Zn 0.30 Phenol 0.000 Fe 0.00 (Total)	1160	43	488	276	DWR
		7-27-65	65	1810	8.2	66 / 3.29	93 / 7.66	178 / 7.74	5.2 / 0.13	0 / 0.00	319 / 5.23	414 / 8.62	165 / 4.65	19 / 0.31		0.9			1230	41	548	286	DWR
K. Eade Irrigation	21S/9E-24L1	7-22-65	65	1940	8.2	92 / 4.59	113 / 9.26	156 / 6.70	6.4 / 0.16	0 / 0.00	216 / 3.54	653 / 13.60	118 / 3.33	25 / 0.40		0.6			1400	32	693	516	DWR
Glav Estate Irrigation	22S/10E-17N1	7-20-65	62	525	8.5	32 / 1.60	29 / 2.38	31 / 1.35	1.6 / 0.04	8 / 0.27	194 / 3.18	63 / 1.31	20 / 0.56	2.1 / 0.03		0.1			321	25	199	26	DWR
L. Rosenberg Irrigation	22S/10E-34G1	7-20-65	67	952	7.9	75 / 3.74	30 / 2.43	65 / 2.83	4.2 / 0.11	0 / 0.00	270 / 4.42	110 / 2.29	76 / 2.14	5.7 / 0.09		0.4			578	31	309	88	DWR
J. Martinus Irrigation	23S/8E-8K1	9-1-65	68	300																			DWR
	24S/11E-25N1	5-4-65	73	1650	8.0	59 / 2.94	36 / 2.96	275 / 11.96	4 / 0.10	0 / 0.00	317 / 5.20	377 / 7.85	174 / 4.91	4 / 0.06	0.2	1.18			1086		295		DWR
	24S/11E-26D1	5-3-65	65	1700	7.7	92 / 4.59	57 / 4.69	222 / 9.65	5 / 0.13	0 / 0.00	297 / 4.87	530 / 11.03	105 / 2.96	0.0 / 0.00	0.2	0.75			1158		464		DWR
	24S/11E-33R1	5-3-65	65	560	7.9	48 / 2.40	32 / 2.63	30 / 1.30	2 / 0.05	0 / 0.00	268 / 4.39	48 / 1.00	35 / 0.99	5 / 0.08	0.2	0.12			332		252		DWR
	24S/11E-35A1	5-3-65	66	1250	8.0	46 / 2.30	38 / 3.13	195 / 8.48	3 / 0.08	0 / 0.00	411 / 6.74	187 / 3.89	113 / 3.19	3 / 0.05	0.4	0.67			788		272		DWR
	24S/15E-17F1	10-1-64		1575	8.2	52 / 2.59	95 / 7.81	172 / 7.48	3 / 0.08	0 / 0.00	476 / 7.80	301 / 6.27	135 / 3.81	5 / 0.08	0.4	1.45			1039		520		DWR
	25S/11E-1A1	5-4-65	75	880	8.2	19 / 0.95	16 / 1.32	165 / 7.17	2 / 0.05	0 / 0.00	340 / 5.57	92 / 2.02	60 / 1.69	3 / 0.05	0.2	0.98			530		114		DWR
	25S/12E-5R1	5-4-65	62	1300	8.0	55 / 2.74	80 / 6.58	142 / 6.17	4 / 0.10	0 / 0.00	581 / 9.52	166 / 3.46	85 / 2.40	0 / 0.00	0.2	0.53			818		466		DWR
	25S/12E-8G1	5-4-65	65	1040	8.0	57 / 2.84	51 / 4.19	105 / 4.57	4 / 0.10	0 / 0.00	330 / 5.41	154 / 3.21	98 / 2.76	11 / 0.18	0.2	0.41			643		352		DWR
	25S/12E-8R1	5-4-65	64	1550	8.0	111 / 5.54	63 / 5.18	132 / 5.74	4 / 0.10	0 / 0.00	344 / 5.64	265 / 5.52	182 / 5.13	39 / 0.63	0.2	0.48			969		536		DWR
	25S/12E-16D1	5-3-65		665	8.0	35 / 1.75	34 / 2.80	62 / 2.70	2 / 0.05	0 / 0.00	258 / 4.23	62 / 1.29	59 / 1.66	6 / 0.10	0.2	0.40			387		228		DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
						SALINAS VALLEY (3-4.00) (Cont.)																	
	25S/12E-16K2	5-4-65	68	610	8.1	34 / 1.70	35 / 2.88	44 / 1.91	2 / 0.05	0 / 0.00	269 / 4.41	14 / 0.29	50 / 1.41	18 / 0.29	0.2	0.35			330		229		DWR
	25S/12E-16K3	5-4-65	70	750	8.2	42 / 2.10	45 / 3.70	62 / 2.70	3 / 0.08	0 / 0.00	299 / 4.90	45 / 0.94	74 / 2.09	21 / 0.34	0.2	0.30			440		290		DWR
	25S/12E-16L2	5-4-65	64	2500	7.5	227 / 11.33	85 / 6.99	297 / 12.91	4 / 0.10	0 / 0.00	622 / 10.19	692 / 14.41	234 / 6.60	2 / 0.03	0.2	1.18			1848		917		DWR
	25S/12E-26L1	10-21-64		480	8.0	33 / 1.65	24 / 1.97	40 / 1.74	2 / 0.05	0 / 0.00	234 / 3.84	26 / 0.54	34 / 0.96	6 / 0.10	0.2	0.29			280		181		DWR
		5-5-65	70	520	8.1	36 / 1.80	26 / 2.14	39 / 1.70	2 / 0.05	0 / 0.00	244 / 4.00	19 / 0.40	41 / 1.16	0.0 / 0.00	0.2	0.23			283		197		DWR
	25S/12E-26N1	10-20-64	70	600	8.3	20 / 1.00	20 / 1.64	99 / 4.30	2 / 0.05	5 / 0.17	278 / 4.56	54 / 1.12	32 / 0.90	5 / 0.08	0.2	0.74			375		132		DWR
	25S/12E-27D1	5-4-65	78	630	8.2	24 / 1.20	26 / 2.14	86 / 3.74	2 / 0.05	0 / 0.00	292 / 4.79	53 / 1.10	36 / 1.02	2 / 0.03	0.2	0.43			373		167		DWR
	25S/12E-28B1	5-4-65	72	1320	7.9	52 / 2.59	76 / 6.25	145 / 6.30	5 / 0.13	0 / 0.00	378 / 6.20	221 / 4.60	144 / 4.06	16 / 0.26	0.2	0.59			846		442		DWR
	25S/12E-28N1	10-1-64		2012	7.9	324 / 16.17	0 / 0.00	168 / 7.30	3 / 0.08	0 / 0.00	481 / 7.88	479 / 9.97	206 / 5.81	6 / 0.10	0.6	0.60			1456		809		DWR
	25S/12E-28N4	5-4-65	60	1280	8.2	106 / 5.29	57 / 4.69	113 / 4.91	2 / 0.05	0 / 0.00	386 / 6.33	264 / 5.50	103 / 2.90	0.0 / 0.00	0.2	0.30			835		499		DWR
	25S/12E-33Q2	5-5-65	60	2175	7.6	153 / 7.63	112 / 9.21	227 / 9.87	2 / 0.05	0 / 0.00	655 / 10.74	415 / 8.64	277 / 7.81	0.0 / 0.00	0.1	0.58			1509		843		DWR
	25S/12E-35C1	10-21-64		1840	8.2	92 / 4.59	59 / 4.85	300 / 13.04	6 / 0.15		575 / 9.42	345 / 7.18	196 / 5.53	12 / 0.19	0.2	1.09			1294		472		DWR
	25S/12E-35E1	10-20-64		2880	8.2	166 / 8.28	100 / 8.22	300 / 13.04	3 / 0.08		386 / 6.33	548 / 11.41	401 / 11.31	26 / 0.42	0.2	1.24			1735		826		DWR
	25S/13E-19R1	10-1-64		535	8.2	37 / 1.85	27 / 2.22	34 / 1.48	2 / 0.05	0 / 0.00	235 / 3.85	7 / 0.15	38 / 1.07	27 / 0.44	0.6	0.12	40		328		204		DWR
	25S/14E-33Q1	10-8-64		660	8.2	32 / 1.60	22 / 1.81	82 / 3.57	3 / 0.08	0 / 0.00	313 / 5.13	45 / 0.94	25 / 0.71	3 / 0.05	0.4	0.58			367		171		DWR
	26S/12E-3H2	4-26-65		880	8.7	35 / 1.75	28 / 2.30	132 / 5.74	3 / 0.08	24 / 0.80	183 / 3.00	134 / 2.79	108 / 3.05	0 / 0.00	0.1	0.53			555		203		DWR
	26S/12E-3K3	4-26-65		530	8.2	39 / 1.95	22 / 1.81	39 / 1.70	9 / 0.23	0 / 0.00	230 / 3.77	15 / 0.31	58 / 1.64	7 / 0.11	0.2	0.16			302		188		DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C. ppm	Analyzed by
						SALINAS VALLEY (3-4.00) (Cont.)																	
	26S/12E-3L1	4-26-65		1430	8.1	91 / 4.54	48 / 3.95	170 / 7.39	19 / 0.49	0 / 0.00	328 / 5.38	274 / 5.70	183 / 5.16	0 / 0.00	0.2	0.78			947		425		DWR
	26S/12E-5A2	12-18-64		800	7.8	54 / 2.69	52 / 4.28	43 / 1.87	2 / 0.05	0 / 0.00	241 / 3.95	150 / 3.12	53 / 1.49	10 / 0.16	0.1	0.17			483		349		DWR
	26S/12E-9L1	4-1-65		972	7.5	66 / 3.29	28 / 2.30	98 / 4.26	2 / 0.05	0 / 0.00	303 / 4.97	115 / 2.39	87 / 2.45	10 / 0.16	0.5	0.41			556		280		DWR
	26S/12E-9L2	4-1-65		1203	7.4	83 / 4.14	35 / 2.88	125 / 5.44	2 / 0.05	0 / 0.00	361 / 5.92	146 / 3.04	116 / 3.27	18 / 0.29	0.6	0.05			703		351		DWR
	26S/12E-9R1	5-5-65	66	1280	7.6	95 / 4.74	57 / 4.69	135 / 5.87	2 / 0.05	0 / 0.00	494 / 8.10	130 / 2.71	145 / 4.09	14 / 0.23	0.1	0.37			821		472		DWR
	26S/12E-16C4	5-5-65	70	1140	7.7	108 / 5.39	41 / 3.37	76 / 3.30	2 / 0.05	0 / 0.00	293 / 4.80	98 / 2.04	142 / 4.00	91 / 1.47	0.1	0.30			702		438		DWR
	26S/12E-21Q1	5-6-65		1900	8.1	72 / 3.59	45 / 3.70	320 / 13.91	4 / 0.10	0 / 0.00	573 / 9.39	218 / 4.54	275 / 7.76	0.0 / 0.00	1.0	1.28			1218		365		DWR
	26S/12E-21L1	5-5-65	62	980	7.8	52 / 2.59	17 / 1.40	145 / 6.30	3 / 0.08	0 / 0.00	330 / 5.41	137 / 2.85	79 / 2.23	0.0 / 0.00	1.0	0.35			597		200		DWR
	26S/12E-22P2	10-9-64		625	7.8	32 / 1.60	23 / 1.89	89 / 3.87	2 / 0.05	0 / 0.00	295 / 4.84	18 / 0.37	67 / 1.89	11 / 0.18	0.6	0.31			388		175		DWR
		5-6-65		660	8.1	38 / 1.90	24 / 1.97	77 / 3.35	2 / 0.05	0 / 0.00	290 / 4.75	36 / 0.75	68 / 1.92	0.0 / 0.00	0.2	0.30			388		194		DWR
	26S/12E-33B2	5-28-65		1264	7.5	106 / 5.29	43 / 3.54	113 / 4.91	3 / 0.08	0 / 0.00	356 / 5.83	252 / 5.25	95 / 2.68	1 / 0.02	0.9	0.44			789		442		DWR
	26S/12E-33Q2	5-6-65	64	680	7.8	75 / 3.74	28 / 2.30	25 / 1.09	1 / 0.03	0 / 0.00	297 / 4.87	38 / 0.79	50 / 1.41	0.0 / 0.00	0.2	0.12			363		302		DWR
	26S/13E-4J1	10-8-64		1497	8.1	111 / 5.54	33 / 2.71	165 / 7.17	4 / 0.10	0 / 0.00	378 / 6.20	280 / 5.83	109 / 3.07	18 / 0.29	0.3	1.25	50		957		413		DWR
	26S/14E-16R1	4-20-65		673	7.8	21 / 1.05	6 / 0.49	119 / 5.17	3 / 0.08	0 / 0.00	284 / 4.65	39 / 0.81	43 / 1.21	8 / 0.13	0.6	0.43			380		77		DWR
	26S/14E-34Q1	10-8-64		435	7.9	30 / 1.50	17 / 1.40	44 / 1.91	3 / 0.08	0 / 0.00	170 / 2.79	29 / 0.60	45 / 1.27	8 / 0.13	0.8	0.12			260		145		DWR
	26S/15E-2N1	10-9-64		2158	8.1	36 / 1.80	7 / 0.58	440 / 19.13	3 / 0.08	0 / 0.00	317 / 5.20	528 / 10.99	184 / 5.19	1.0 / 0.02	0.2	1.17			1356		119		DWR
	26S/15E-20N1	10-9-64	79	374	7.8	41 / 2.05	6 / 0.49	29 / 1.26	3 / 0.08	0 / 0.00	151 / 2.47	33 / 0.69	22 / 0.62	10 / 0.16	0.1	0.05			218		127		DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
						SALINAS VALLEY (3-4.00) (Cont.)																	
	26S/15E-28Q2	10-8-64	77	4205	7.6	360 / 17.96	142 / 11.68	510 / 22.17	6 / 0.15	0 / 0.00	327 / 5.36	1276 / 26.57	663 / 18.70	14 / 0.23	0.7	1.34			3134		1483		DWR
	26S/16E-31B1	10-7-64		1490	8.0	32 / 1.60	24 / 1.97	315 / 13.70	12 / 0.31	0 / 0.00	338 / 5.54	368 / 7.66	115 / 3.24	55 / 0.89	1.2	2.50			1091		179		DWR
	27S/10E-15GS1	10-18-64	65	710	8.0	81 / 4.04	36 / 2.96	36 / 1.57	1 / 0.03		303 / 4.97	148 / 3.08	21 / 0.59	0.0 / 0.00	0.1	0.09			472		350		DWR
	27S/10E-15GS2	10-18-64	70	810	8.2	38 / 1.90	16 / 1.32	142 / 6.17	2 / 0.05		365 / 5.98	140 / 2.91	23 / 0.65	2 / 0.03	0.1	0.26			543		161		DWR
	27S/11E-16L1	4-30-65		1060	8.0	162 / 8.08	54 / 4.44	22 / 0.96	1 / 0.03	0 / 0.00	451 / 7.39	247 / 5.14	32 / 0.90	0 / 0.00	0.4	0.08			740		627		DWR
	27S/12E-3C2	10-1-64		752	7.9	58 / 2.89	38 / 3.13	42 / 1.83	2 / 0.05	0 / 0.00	308 / 5.05	15 / 0.31	81 / 2.28	9 / 0.15	0.4	0.10	48		445		301		DWR
		5-5-65	70	700	7.9	54 / 2.69	38 / 3.13	47 / 2.04	2 / 0.05	0 / 0.00	315 / 5.16	13 / 0.27	95 / 2.68	2 / 0.03	0.1	0.13			406		291		DWR
	27S/12E-4P2	5-5-65	62	900	8.0	54 / 2.69	22 / 1.81	125 / 5.44	2 / 0.05	0 / 0.00	338 / 5.54	133 / 2.77	57 / 1.61	0.0 / 0.00	0.6	0.37			560		225		DWR
	27S/12E-9D2	5-6-65		875	7.9	85 / 4.24	49 / 4.03	49 / 2.13	2 / 0.05	0 / 0.00	361 / 5.92	110 / 2.29	75 / 2.12	2 / 0.03	0.1	0.20			550		414		DWR
	27S/12E-21G1	5-6-65	61	1460	7.7	94 / 4.69	77 / 6.33	125 / 5.44	3 / 0.08	0 / 0.00	429 / 7.03	237 / 4.93	128 / 3.61	35 / 0.56	0.2	0.42			911		551		DWR
	27S/12E-21N1	10-1-64		1075	7.8	122 / 6.09	52 / 4.28	46 / 2.00	1 / 0.03	0 / 0.00	331 / 5.43	244 / 5.08	55 / 1.55	5 / 0.08	0.4	0.11	32		720		519		DWR
		5-6-65	60	1035	8.1	129 / 6.44	50 / 4.11	45 / 1.96	1 / 0.03	0 / 0.00	367 / 6.02	248 / 5.16	52 / 1.47	3 / 0.05	0.2	0.17			709		528		DWR
	27S/12E-29P3	5-6-65	61	1060	7.6	102 / 5.09	64 / 5.26	42 / 1.83	2 / 0.05	0 / 0.00	338 / 5.54	235 / 4.89	65 / 1.83	1 / 0.02	0.2	0.11			677		518		DWR
	27S/12E-32P2	5-6-65	60	930	7.5	85 / 4.24	61 / 5.02	41 / 1.78	2 / 0.05	0 / 0.00	329 / 5.39	194 / 4.04	50 / 1.41	3 / 0.05	0.2	0.14			598		463		DWR
	27S/12E-32Q3	5-7-65	60	770	7.6	64 / 3.19	50 / 4.11	35 / 1.52	1 / 0.03	0 / 0.00	250 / 4.10	157 / 3.27	46 / 1.30	3 / 0.05	0.2	0.08			479		365		DWR
	27S/12E-33N1	5-7-65	63	1220	7.7	106 / 5.29	75 / 6.17	59 / 2.57	3 / 0.08	0 / 0.00	420 / 6.88	231 / 4.81	89 / 2.51	2 / 0.03	0.1	0.14			772		573		DWR
	27S/13E-9P1	10-4-64		650	8.2	13 / 0.65	9 / 0.74	130 / 5.65	2 / 0.05	0 / 0.00	359 / 5.88	20 / 0.42	21 / 0.59	5 / 0.08	0.3	0.37	45		422		70		DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
						SALINAS VALLEY (3-4.00) (Cont.)																	
	27S/15E-13A1	10-7-64	73	4595	7.8	205 / 10.23	81 / 6.66	770 / 33.48	5 / 0.13	0 / 0.00	301 / 4.93	947 / 19.72	890 / 25.10	47 / 0.76	0.7	1.34			3095		845		DWR
	27S/16E-23N1	10-7-64		630	8.0	28 / 1.40	11 / 0.90	116 / 5.04	4 / 0.10	0 / 0.00	269 / 4.41	60 / 1.25	53 / 1.49	10 / 0.16	0.8	0.58			416		115		DWR
	28S/12E-4G1	5-6-65	60	660	7.4	61 / 3.04	38 / 3.13	32 / 1.39	1 / 0.03	0 / 0.00	263 / 4.31	103 / 2.14	37 / 1.04	0.0	0.2	0.05			402		309		DWR
	28S/12E-4J2	5-6-65	60	680	7.5	64 / 3.19	39 / 3.21	26 / 1.13	1 / 0.03	0 / 0.00	231 / 3.79	141 / 2.94	33 / 0.93	4 / 0.06	0.2	0.14			422		320		DWR
	28S/12E-10H3	5-6-65	64	860	7.8	77 / 3.84	54 / 4.44	37 / 1.61	2 / 0.05	0 / 0.00	351 / 5.75	89 / 1.85	71 / 2.00	14 / 0.23	0.2	0.12			517		414		DWR
	28S/12E-10R2	10-9-64		868	7.9	79 / 3.94	49 / 4.03	40 / 1.74	1 / 0.03	0 / 0.00	323 / 5.29	134 / 2.79	52 / 1.47	2 / 0.03	0.5	0.08	27		543		399		DWR
		5-5-65	60	690	7.6	69 / 3.44	34 / 2.80	34 / 1.48	1 / 0.03	0 / 0.00	281 / 4.61	98 / 2.04	40 / 1.13	3 / 0.05	0.1	0.09			417		312		DWR
	28S/12E-14J2	5-5-65	63	650	7.6	68 / 3.39	31 / 2.55	25 / 1.09	2 / 0.05	0 / 0.00	283 / 4.64	74 / 1.54	37 / 1.04	1 / 0.02	0.2	0.12			377		297		DWR
	28S/12E-14R1	5-5-65	56	1000	7.4	98 / 4.89	52 / 4.28	43 / 1.87	2 / 0.05	0 / 0.00	328 / 5.38	154 / 3.21	76 / 2.14	15 / 0.24	0.1	0.11			601		459		DWR
	28S/12E-24F2	5-5-65	66	560	7.7	50 / 2.50	28 / 2.30	30 / 1.30	1 / 0.03	0 / 0.00	224 / 3.67	67 / 1.39	29 / 0.82	7 / 0.11	0.2	0.08			322		240		DWR
	28S/12E-25B1	5-5-65	61	580	7.4	63 / 3.14	26 / 2.14	23 / 1.00	1 / 0.03	0 / 0.00	232 / 3.80	68 / 1.42	28 / 0.79	7 / 0.11	0.4	0.04			330		264		DWR
	28S/13E-30N1	5-5-65	66	600	7.3	56 / 2.79	30 / 2.47	30 / 1.30	1 / 0.03	0 / 0.00	232 / 3.80	86 / 1.79	32 / 0.90	9 / 0.15	0.2	0.08			358		263		DWR
	28S/16E-14N1	10-7-64		565	7.9	55 / 2.74	29 / 2.38	33 / 1.43	1 / 0.03	0 / 0.00	219 / 3.59	94 / 1.96	66 / 1.86	8 / 0.13	0.8	0.07			394		256		DWR
	29S/13E-5D5	5-4-65	61	940	7.1	80 / 3.88	57 / 4.69	41 / 1.78	0 / 0.00	0 / 0.00	299 / 4.90	170 / 3.54	59 / 1.66	10 / 0.16	0.1	0.04			564		434		DWR
	29S/13E-8M1	5-4-65	65	650	7.5	74 / 3.69	15 / 1.23	48 / 2.09	1 / 0.03	0 / 0.00	303 / 4.97	40 / 0.83	39 / 1.10	6 / 0.10	0.1	0.03			372		246		DWR
	29S/13E-8N1	5-3-65	65	680	7.5	77 / 3.84	15 / 1.23	47 / 2.04	1 / 0.03	0 / 0.00	306 / 5.02	41 / 0.85	40 / 1.13	6 / 0.10	0.1	0.05			378		254		DWR
	29S/13E-14B1	5-3-65	63	580	7.5	43 / 2.15	24 / 1.97	37 / 1.61	2 / 0.05	0 / 0.00	191 / 3.13	31 / 0.65	35 / 0.99	55 / 0.89	0.2	0.00			321		206		DWR

TABLE E-1
ANALYSES OF GROUND WATER

Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivolents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: N.C ppm	Analyzed by
						SALINAS VALLEY (3-4.00) (Cont.)																	
	29S/13E-18H1	5-4-65	63	730	7.5	58 / 2.89	33 / 2.71	56 / 2.43	1 / 0.03	0 / 0.00	315 / 5.16	62 / 1.29	46 / 1.30	6 / 0.10	0.1	0.06			417		280		DWR
	29S/13E-19H1	5-3-65		650	8.4	47 / 2.35	39 / 3.21	40 / 1.74	1 / 0.03	6 / 0.20	254 / 4.16	70 / 1.46	41 / 1.16	10 / 0.16	0.1	0.10			379		278		DWR
	29S/13E-19H2	5-3-65		640	8.2	45 / 2.25	40 / 3.29	33 / 1.43	1 / 0.03	0 / 0.00	252 / 4.13	87 / 1.81	33 / 0.93	12 / 0.19	0.1	0.11			375		277		DWR
	29S/13E-21F1	5-3-65	58	570	7.6	98 / 4.89	11 / 0.90	13 / 0.57	1 / 0.03	0 / 0.00	276 / 4.52	38 / 0.79	12 / 0.34	34 / 0.55	0.1	0.06			343		290		DWR
	30S/15E-10G2	10-4-64		435	8.0	43 / 2.15	18 / 1.48	36 / 1.57	1 / 0.03	0 / 0.00	197 / 3.23	34 / 0.71	28 / 0.79	21 / 0.34	0.8	0.10			279		182		DWR
	30S/15E-21C1	10-4-64		570	7.8	50 / 2.50	28 / 2.30	39 / 1.70	1 / 0.03	0 / 0.00	201 / 3.29	94 / 1.96	22 / 0.62	28 / 0.45	0.4	0.12			361		240		DWR
						CARMEL VALLEY (3-7.00)																	
R. Odello irrigation	16S/1W-13L1	9-3-65	60	749	8.6	76 / 3.79	22 / 1.78	50 / 2.18	4.3 / 0.11	10 / 0.33	210 / 3.44	100 / 2.08	67 / 1.89	1.5 / 0.02		0.1			462	28	279	90	DWR
Carmel S. T. Plant Industrial	16S/1W-13L2	9-13-65	60	925	7.6	97 / 4.84	26 / 2.17	96 / 4.18	4.6 / 0.12	0 / 0.00	260 / 4.26	112 / 2.33	159 / 4.48	2.1 / 0.03		0.1			644	37	351	138	DWR
B. Odello irrigation	16S/1W-13Q2	8-28-64	60	868	8.5	79 / 3.94	27 / 2.21	61 / 2.65	4.4 / 0.11	6 / 0.20	229 / 3.75	125 / 2.60	84 / 2.37	2.0 / 0.03		0.1			476	30	308	110	DWR
B. Odello irrigation	16S/1W-13R1	8-28-64	59	793	8.5	70 / 3.49	24 / 1.96	53 / 2.30	3.9 / 0.10	20 / 0.67	171 / 2.80	114 / 2.37	67 / 1.89	1.8 / 0.03		0.1			453	29	273	99	DWR
L. P. Horan domestic	16S/1E-16L1	9-8-65	59	797	8.5	65 / 3.24	18 / 1.52	73 / 3.18	2.5 / 0.06	8 / 0.27	182 / 2.98	77 / 1.60	104 / 2.93	7.8 / 0.12		0.1			472	40	238	76	DWR
Harbert irrigation	16S/1E-17G1	8-28-64	60	1260	8.3	124 / 6.19	27 / 2.20	95 / 4.13	4.1 / 0.10	0 / 0.00	315 / 5.16	181 / 3.77	132 / 3.72	0.6 / 0.01		0.1			729	33	420	162	DWR
		9-3-65	62	1180	8.6	117 / 5.84	32 / 2.65	74 / 3.22	5.2 / 0.13	16 / 0.53	292 / 4.78	170 / 3.54	114 / 3.22	0.5 / 0.01		0.1			688	27	425	159	DWR
	16S/1E-18K1	8-28-64	59	680	8.4	64 / 3.19	20 / 1.63	42 / 1.83	3.6 / 0.09	5 / 0.17	195 / 3.20	84 / 1.75	51 / 1.44	1.4 / 0.02		0.1			385	27	241	72	DWR
B. Odello irrigation	16S/1E-18P1	8-28-64	59	645	8.3	60 / 2.99	18 / 1.49	37 / 1.61	3.6 / 0.09	0 / 0.00	163 / 2.67	103 / 2.14	43 / 1.21	7.6 / 0.12		0.0			372	26	224	90	DWR

TABLE E-1
ANALYSES OF GROUND WATER

TABLE E-1

ANALYSES OF GROUND WATER

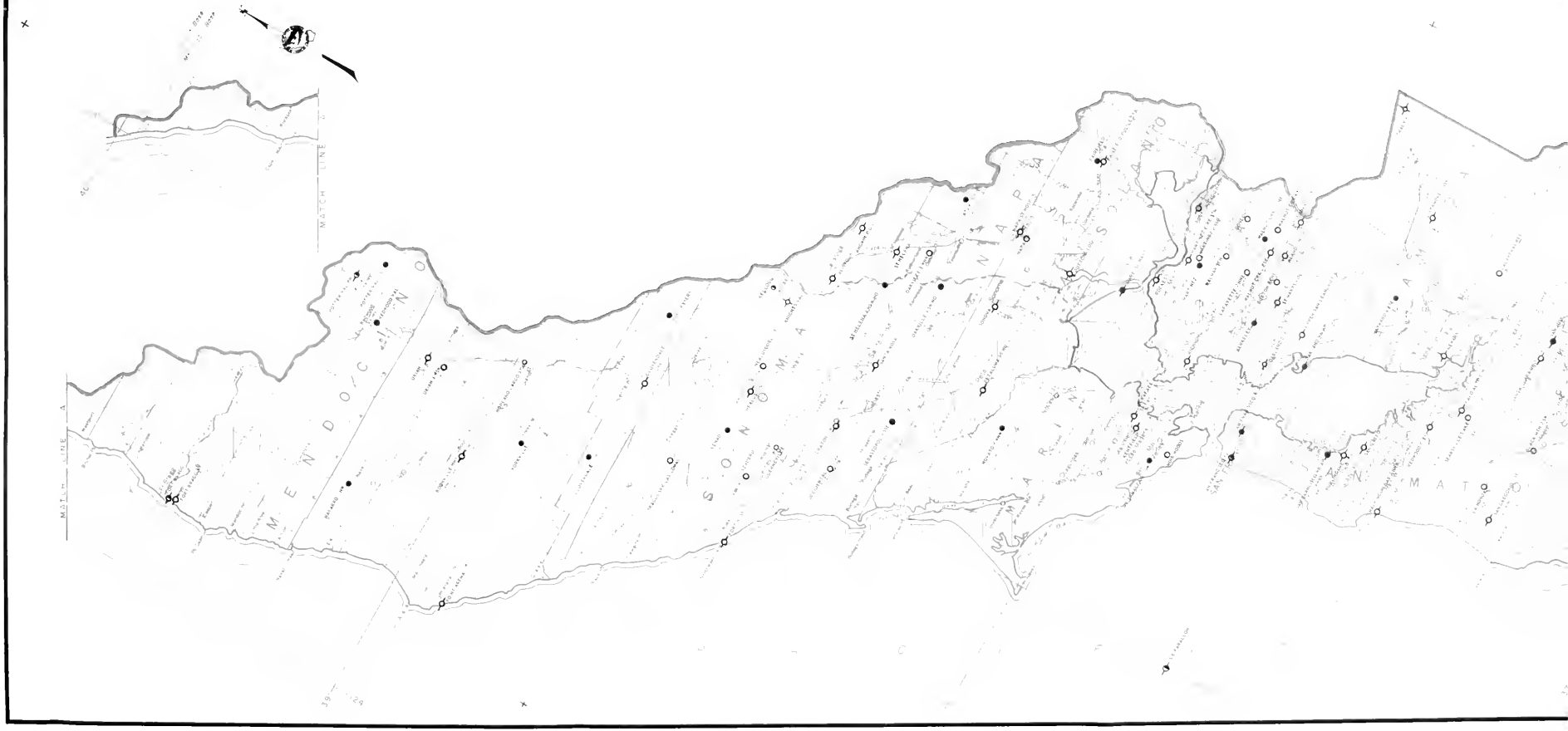
Owner and use	State well number and other number	Date sampled	Temp in °F	Specific conductance (micromhos at 25° C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Other constituents	Total dissolved solids in ppm	Percent sodium	Hardness as $CaCO_3$: Total ppm	Hardness as $CaCO_3$: NC ppm	Analyzed by
						CARMEL VALLEY (3-7.00) (Cont.)																	
E. A. Holt Irrigation	16S/1E-25B1	8-28-64	60	454	8.4	38 / 1.90	12 / 1.02	32 / 1.39	3.2 / 0.08	2 / 0.07	125 / 2.05	68 / 1.42	26 / 0.73	0.6 / 0.01		0.1			252	32	146	40	DWR
		9-7-65	63	469	8.3	43 / 2.14	11 / 0.90	36 / 1.57	2.9 / 0.07	0 / 0.00	133 / 2.18	77 / 1.60	29 / 0.82	0.7 / 0.01		0.1			283	34	152	43	DWR

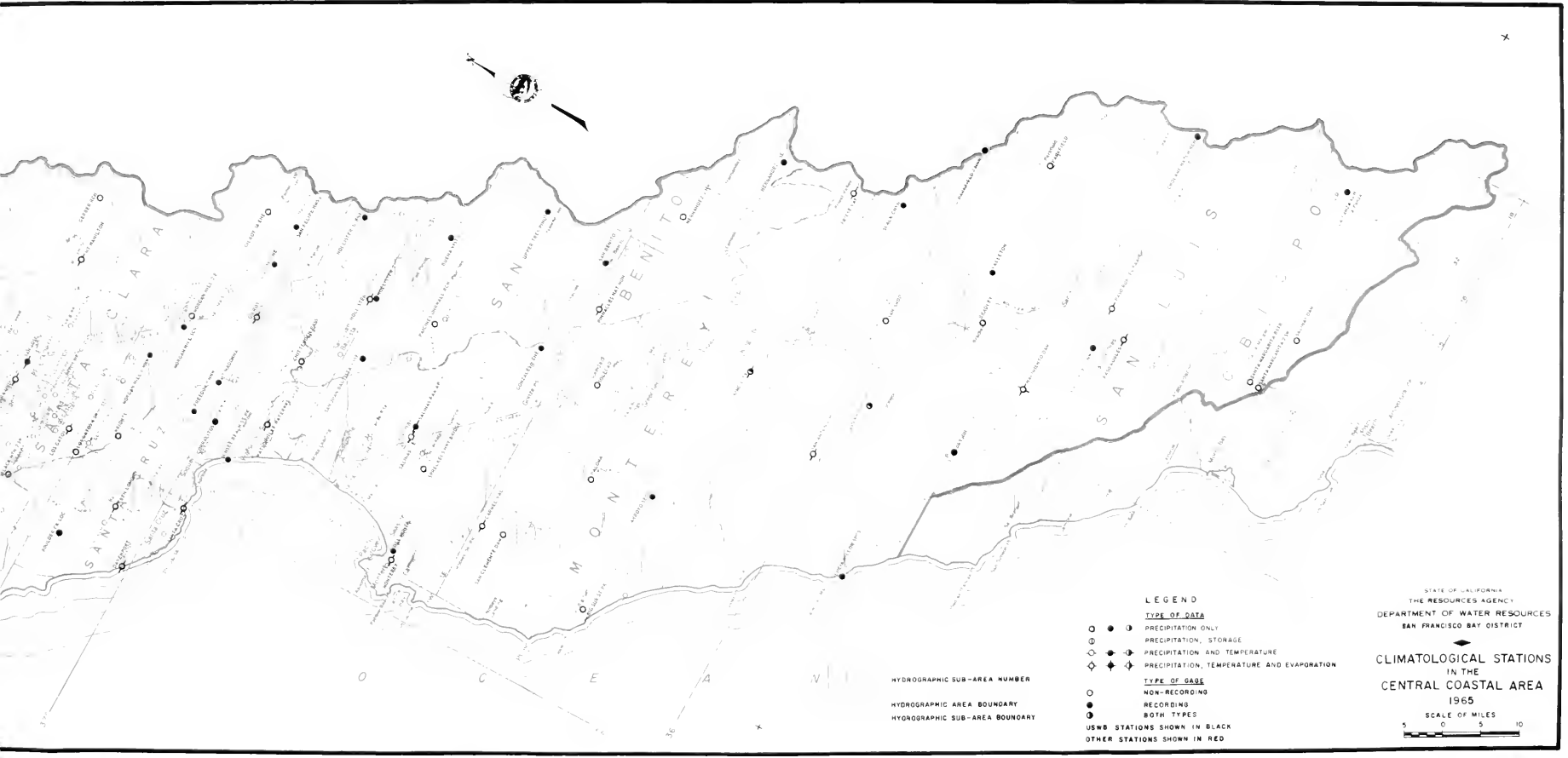
TABLE E-2

RADIOASSAYS OF GROUND WATER

State Well Number	Date Sampled	Sampled By	Analyzed By	Radioassay in Pico Curies Per Liter							
				ALPHA ACTIVITY				BETA ACTIVITY			
				Dissolved (Filtrate)		Suspended (Residue)		Dissolved (Filtrate)		Suspended (Residue)	
				SANTA CLARA VALLEY East Bay Area (2-9.01)							
12S/1W-21F2	9-17-64	DWR	DPH	-1.14	±0.56	1.26	±1.25	13.25	±12.65	-10.53	±8.53
	12-3-64	DWR	DPH	0.41	±2.02	-0.11		5.26	±10.04	-5.33	
	3-4-65	DWR	DPH	0.22	±3.01	-0.48	±4.70	21.00	±18.33	1.34	±3.86
	6-8-65	DWR	DPH	3.55	±4.28	2.44	±1.51	-2.13	±11.80	-1.02	±7.89
	9-2-65	DWR	DPH	0.58	±1.70*			20.0	±11.50*		
12S/1W-21P6	9-17-64	DWR	DPH	2.36	±0.90	-0.18	±0.60	3.01	±4.20	0.98	±8.79
	12-3-64	DWR	DPH	0.28	±1.59	0.86	±0.96	-0.26		-3.74	
	3-4-65	DWR	DPH	-0.66	±1.42	0.00		11.54	±14.34	9.61	±8.94
	6-8-65	DWR	DPH	4.27	±5.40	-0.08	±0.46	7.55	±11.57	1.77	±8.25
	9-2-65	DWR	DPH	0.08	±1.17*			-12.6	±9.96*		

*Values are total Alpha or total Beta


MATCH LINE
MATCH LINE
MENDOCINO
SONOMA
NAPA
SONOMA
MATO


SANTA CLARA
SAN BENITO
MONTEREY
SAN LUIS OBISPO
SANTA CRUZ
OCEAN
LEGEND
TYPE OF DATA
PRECIPITATION ONLY
PRECIPITATION, STORAGE
PRECIPITATION AND TEMPERATURE
PRECIPITATION, TEMPERATURE AND EVAPORATION
TYPE OF GAGE
NON-RECORDING
RECORDING
BOTH TYPES
USWB STATIONS SHOWN IN BLACK
OTHER STATIONS SHOWN IN RED
HYDROGRAPHIC SUB-AREA NUMBER
HYDROGRAPHIC AREA BOUNDARY
HYDROGRAPHIC SUB-AREA BOUNDARY
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
CLIMATOLOGICAL STATIONS
IN THE
CENTRAL COASTAL AREA
1965
SCALE OF MILES
5 0 5 10

NORTH C

3-14.00
3-15.00
3-16.00
3-17.00
3-18.00
3-18.01
3-18.02
3-98.00

SAN FRA

2-1.00
2-2.00
2-2.01
2-2.02
2-3.00
2-4.00
2-5.00
2-6.00
2-9.00
2-9.01
2-9.02
2-10.00
2-22.00
2-24.00
2-26.00

LEGEND

WATER QUALITY CONTROL BOARD REGION NUMERAL

WATER QUALITY CONTROL BOARD REGION BOUNDARY

GROUND WATER BASIN OR UNIT

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

GROUND WATER BASINS OR UNITS
IN THE
CENTRAL COASTAL AREA
1965

SCALE OF MILES
5 0 5 10


MENDOCINO
SONOMA
NAPA
SONOMA
MARIN
1
2
5
14.00
15.00
16.00
17.00
18.02
18.01
98.00
2.01
2.02
6.00
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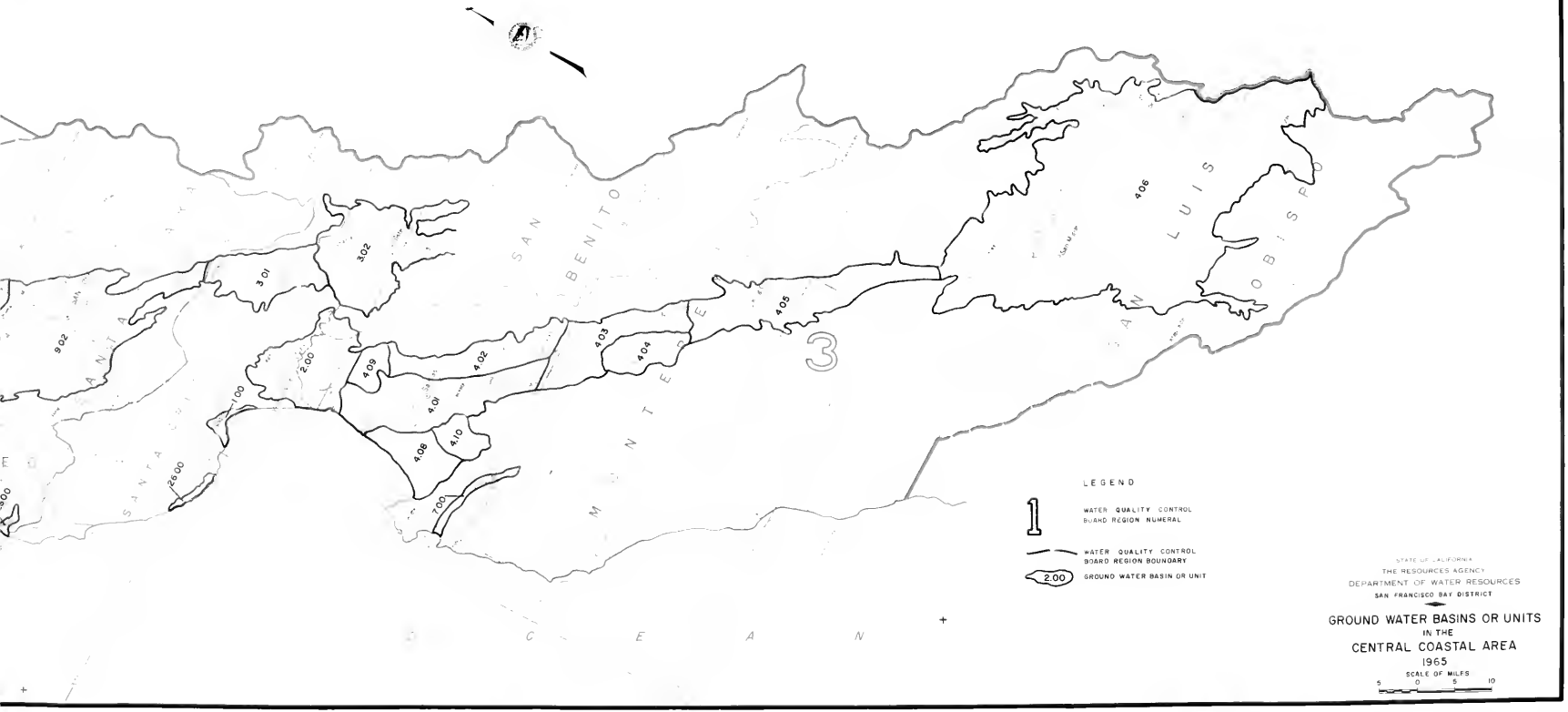
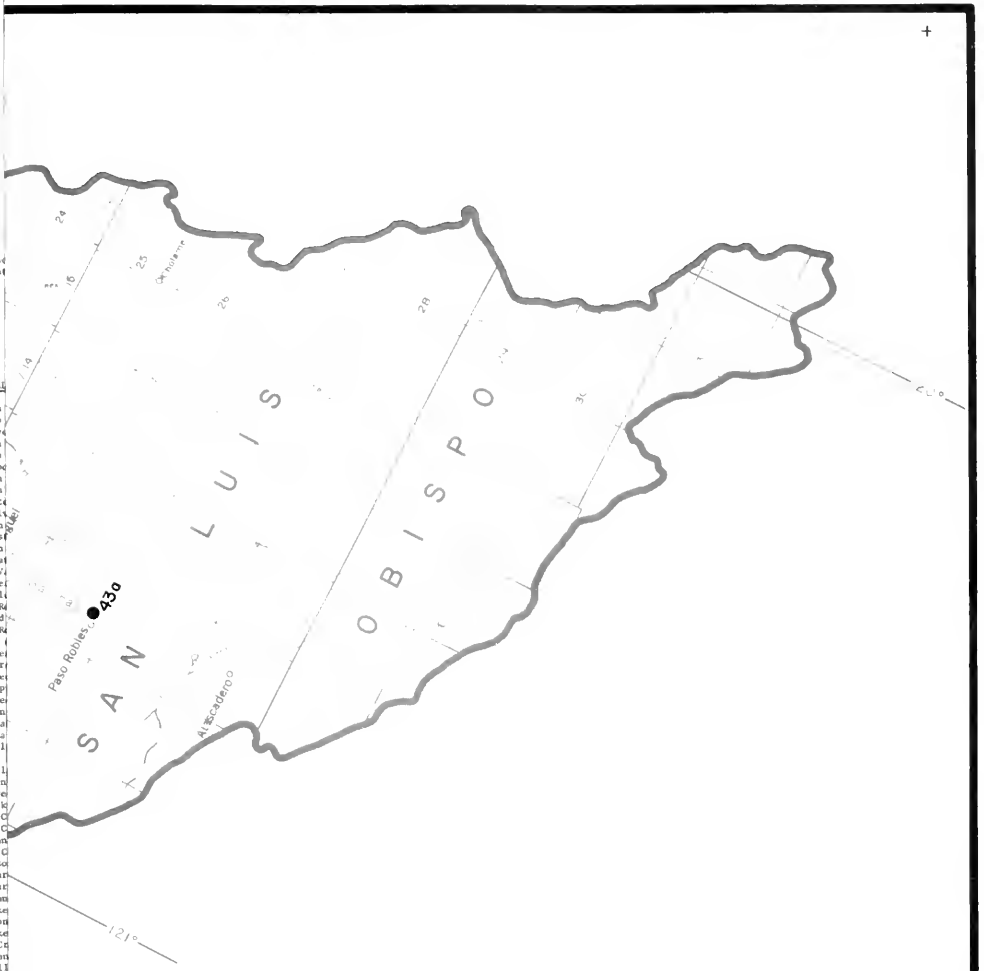
3.00
10.00
9.01
22.00
24.00
26.00



STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

GROUND WATER BASINS OR UNITS IN THE CENTRAL COASTAL AREA 1965

SCALE OF MILES
5 0 5 10



LEGEND

WATER QUALITY CONTROL BOARD REGION NUMERAL

WATER QUALITY CONTROL BOARD REGION BOUNDARY

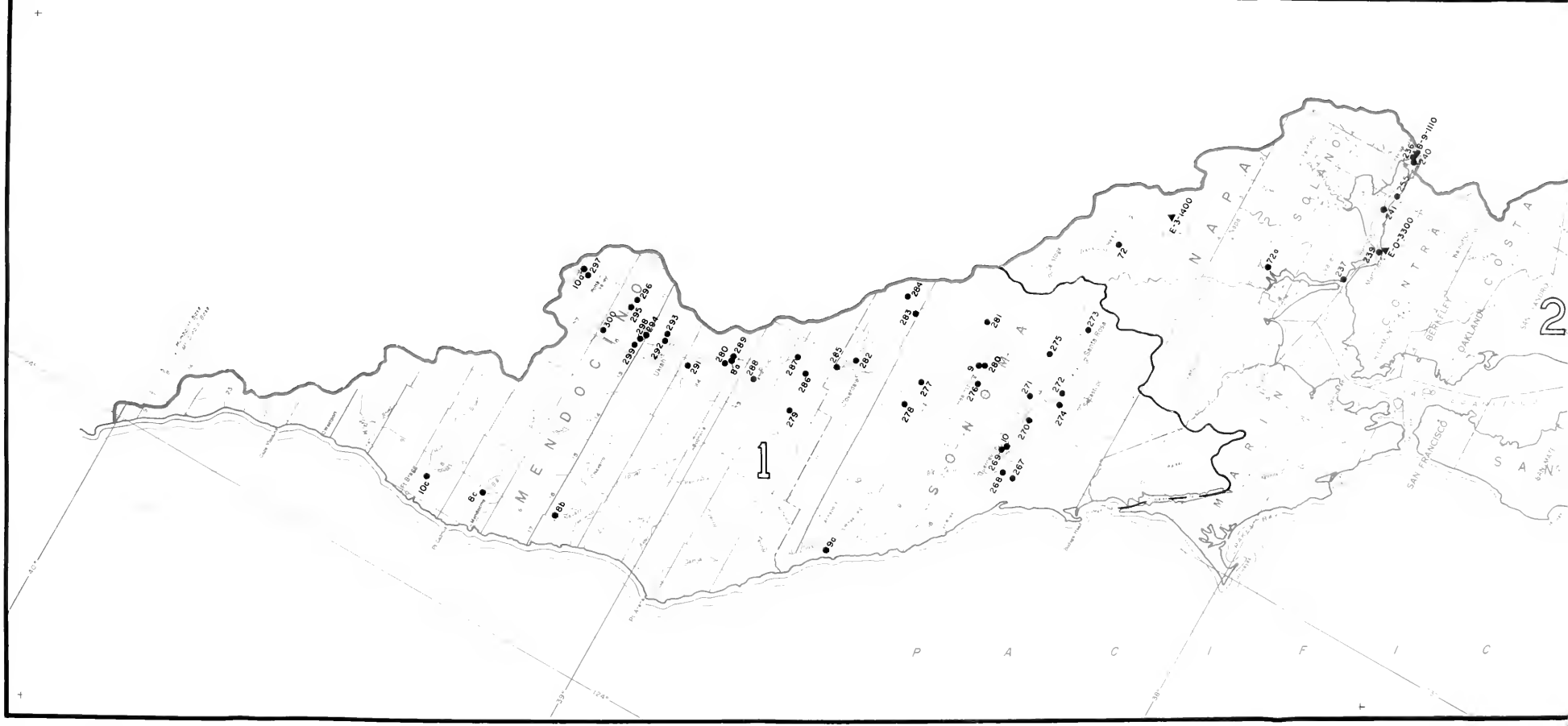
SURFACE WATER QUALITY SAMPLING STATION

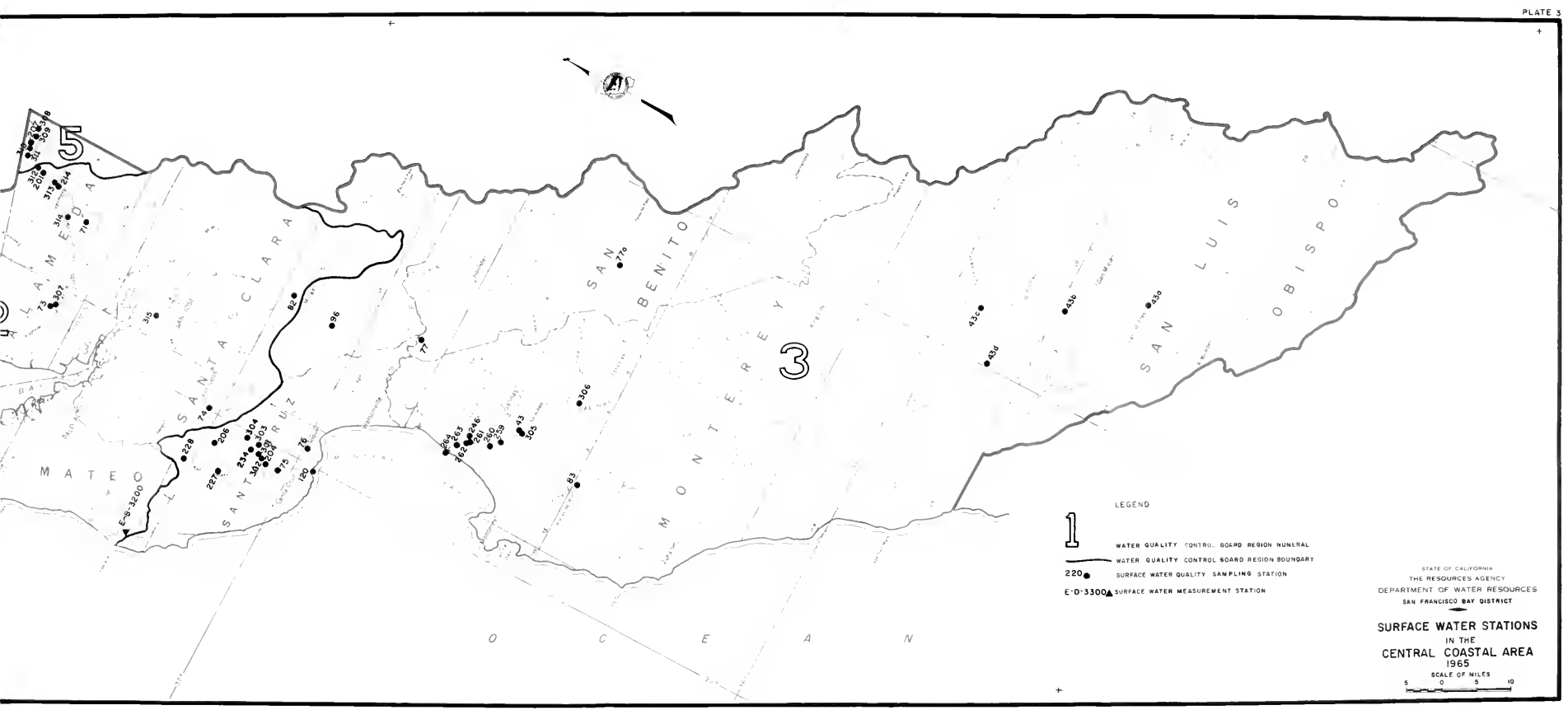
SURFACE WATER MEASUREMENT STATION

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

SURFACE WATER STATIONS
IN THE
CENTRAL COASTAL AREA
1965

SCALE OF MILES
5 0 5 10


MENDOCINO
SONOMA
NAPA
SOLANO
CONTRA COSTA
MARIN
SAN FRANCISCO
PACIFIC
OAKLAND
BERKELEY
1
2
E-3400
E-0-3300
E-S-1110



STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

SURFACE WATER STATIONS IN THE CENTRAL COASTAL AREA 1965

SCALE OF MILES
5 0 5 10

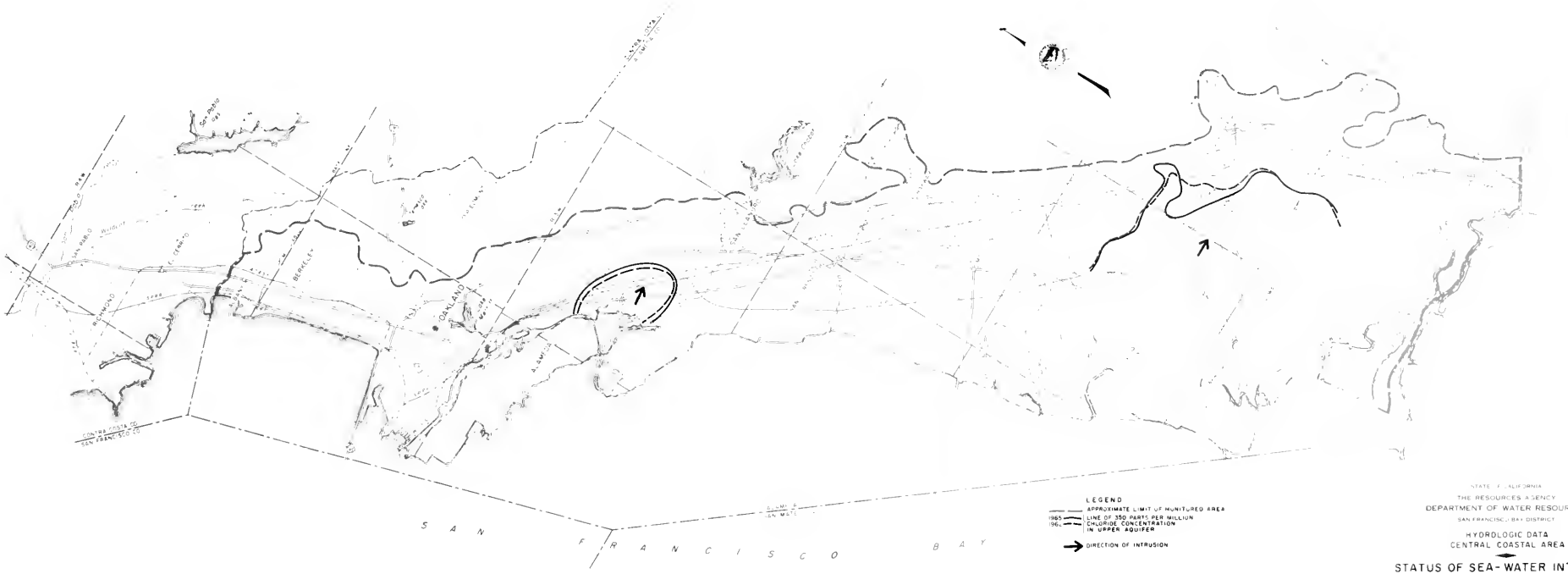
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

HYDROLOGIC DATA
CENTRAL COASTAL AREA

STATUS OF SEA-WATER INTRUSION
SANTA CLARA VALLEY
EAST BAY AREA

1965

SCALE OF MILES
1 0 1 2



STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

HYDROLOGIC DATA
CENTRAL COASTAL AREA

STATUS OF SEA-WATER INTRUSION SANTA CLARA VALLEY EAST BAY AREA

1965

SCALE OF MILES
0 1 2

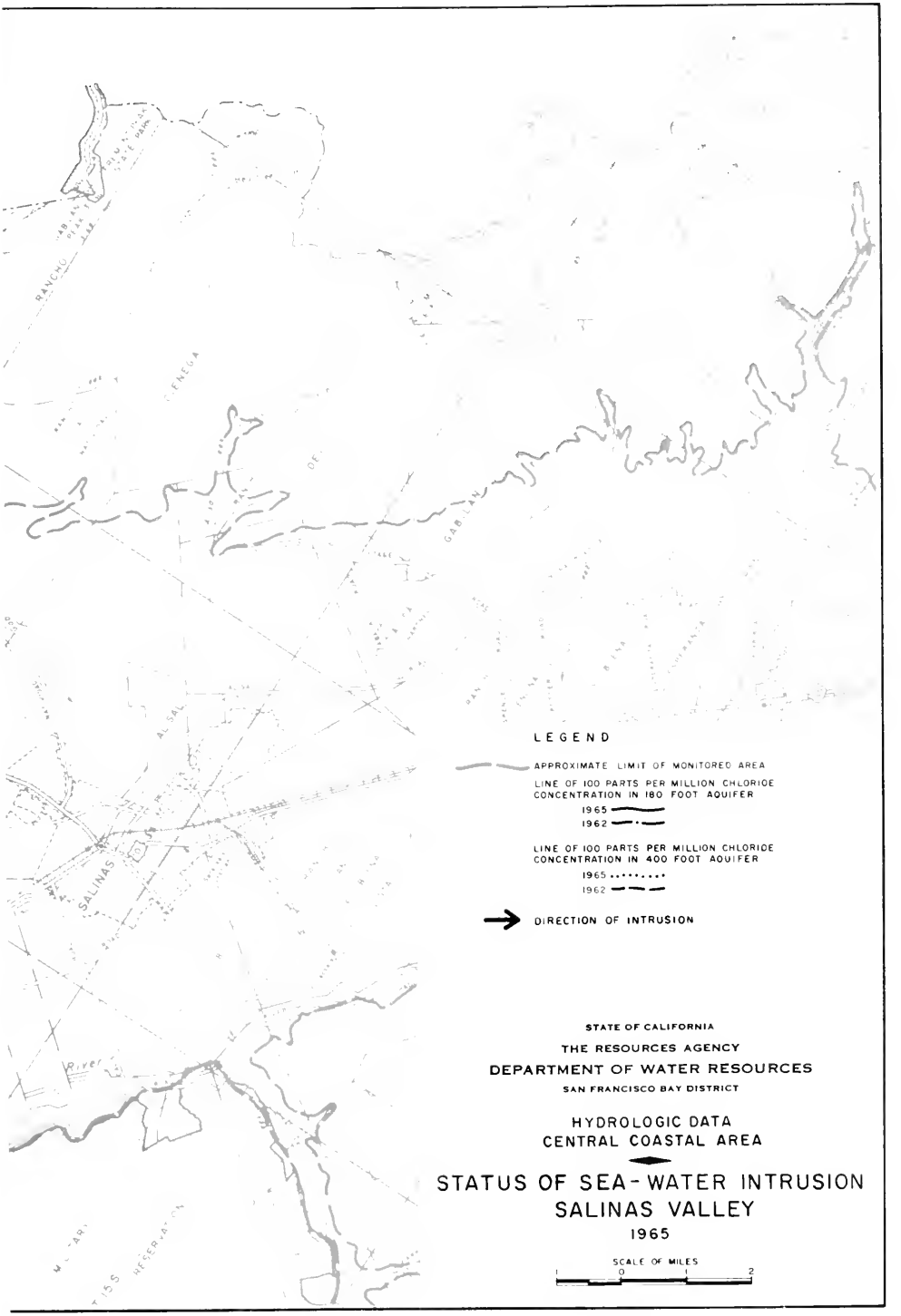
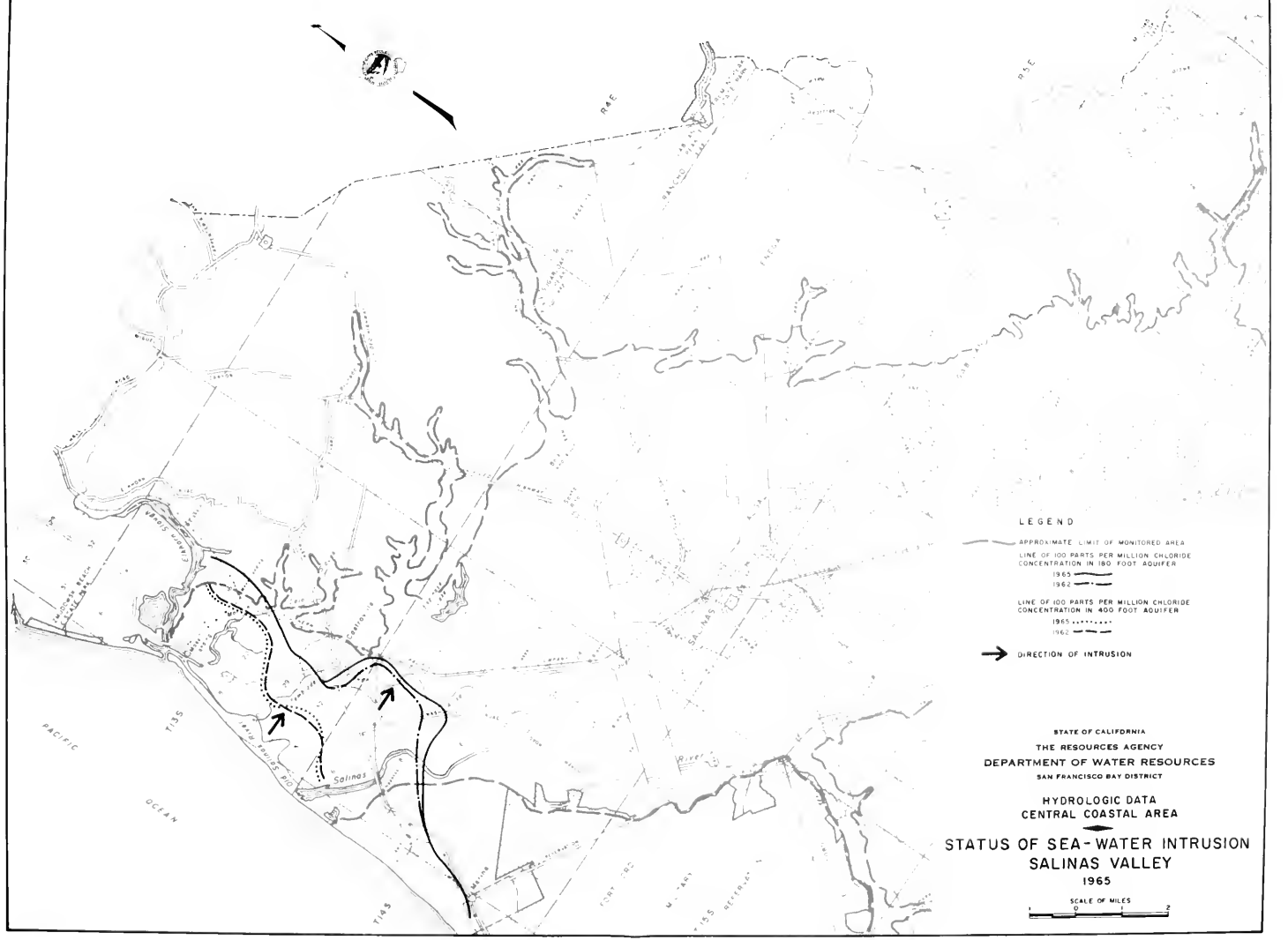

LEGEND
APPROXIMATE LIMIT OF MONITORED AREA
LINE OF 100 PARTS PER MILLION CHLORIDE CONCENTRATION IN 180 FOOT AQUIFER
1965
1962
LINE OF 100 PARTS PER MILLION CHLORIDE CONCENTRATION IN 400 FOOT AQUIFER
1965
1962
DIRECTION OF INTRUSION
SALINAS
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
HYDROLOGIC DATA
CENTRAL COASTAL AREA
STATUS OF SEA-WATER INTRUSION
SALINAS VALLEY
1965
SCALE OF MILES
0
1
2

PLATE 5


LEGEND
APPROXIMATE LIMIT OF MONITORED AREA
LINE OF 100 PARTS PER MILLION CHLORIDE CONCENTRATION IN 180 FOOT AQUIFER
1965
1962
LINE OF 100 PARTS PER MILLION CHLORIDE CONCENTRATION IN 400 FOOT AQUIFER
1965
1962
DIRECTION OF INTRUSION
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
HYDROLOGIC DATA
CENTRAL COASTAL AREA
STATUS OF SEA-WATER INTRUSION
SALINAS VALLEY
1965
SCALE OF MILES
0
1
2
Salinas
PACIFIC
OCEAN
T15S
T14S
R4E
R5E